

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050436.D
 Acq On : 7 Aug 2018 17:05
 Operator : MD\SY
 Sample : VN0807MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBSD01

Quant Time: Aug 08 05:26:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	776947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1178682	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1058137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	574789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	496248	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
35) Dibromofluoromethane	7.59	113	452972	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	10.09	98	1705159	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	12.40	95	585461	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	155719	18.06	ug/l	99
3) Chloromethane	2.06	50	197358	18.44	ug/l	99
4) Vinyl Chloride	2.18	62	209175	18.74	ug/l	99
5) Bromomethane	2.56	94	124911	23.17	ug/l	99
6) Chloroethane	2.70	64	127841	18.59	ug/l	98
7) Trichlorofluoromethane	3.01	101	279856	19.41	ug/l	99
8) Diethyl Ether	3.41	74	105864	20.02	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	174339	19.57	ug/l	99
10) Methyl Iodide	3.95	142	82755	21.08	ug/l	96
11) Tert butyl alcohol	4.80	59	74271	89.06	ug/l	100
12) 1,1-Dichloroethene	3.73	96	166041	19.77	ug/l	95
13) Acrolein	3.61	56	86130	89.64	ug/l	94
14) Allyl chloride	4.33	41	257517	19.09	ug/l	97
15) Acrylonitrile	4.99	53	316227	90.53	ug/l	99
16) Acetone	3.82	43	279825	90.16	ug/l	98
17) Carbon Disulfide	4.05	76	472296	17.29	ug/l	100
18) Methyl Acetate	4.33	43	153722	18.99	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	490693	20.58	ug/l	99
20) Methylene Chloride	4.55	84	186986	18.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	176835	19.45	ug/l	99
22) Diisopropyl ether	5.96	45	567122	20.58	ug/l	98
23) Vinyl Acetate	5.90	43	1917986	97.55	ug/l	99
24) 1,1-Dichloroethane	5.85	63	332543	19.67	ug/l	99
25) 2-Butanone	6.84	43	464929	90.38	ug/l	99
26) 2,2-Dichloropropane	6.83	77	226763	16.27	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	202600	20.11	ug/l	98
28) Bromochloromethane	7.20	49	152343	19.57	ug/l	97
29) Tetrahydrofuran	7.22	42	250949	91.14	ug/l	99
30) Chloroform	7.37	83	332086	19.65	ug/l	98
31) Cyclohexane	7.65	56	291264	19.18	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	286975	19.77	ug/l	98
36) 1,1-Dichloropropene	7.80	75	252428	19.49	ug/l	99
37) Ethyl Acetate	6.94	43	175054	18.77	ug/l	99
38) Carbon Tetrachloride	7.78	117	245351	18.16	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	257614	18.22	ug/l	96
40) Benzene	8.04	78	771217	19.37	ug/l	98
41) Methacrylonitrile	7.18	41	83864	16.91	ug/l #	87
42) 1,2-Dichloroethane	8.13	62	234238	18.53	ug/l	98
43) Isopropyl Acetate	8.17	43	306262	19.02	ug/l #	86
44) Trichloroethene	8.84	130	208150	19.46	ug/l	99
45) 1,2-Dichloropropane	9.12	63	201450	19.24	ug/l	98
46) Dibromomethane	9.21	93	118881	18.39	ug/l	97
47) Bromodichloromethane	9.41	83	243359	18.18	ug/l	98
48) Methyl methacrylate	9.20	41	147848	18.32	ug/l	96
49) 1,4-Dioxane	9.20	88	41606	334.50	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1066349	91.97	ug/l	99
52) Toluene	10.16	92	471297	19.71	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	253080	18.83	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	287921	19.19	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	175792	18.83	ug/l	98
56) Ethyl methacrylate	10.43	69	237829	19.09	ug/l	97
57) 1,3-Dichloropropane	10.71	76	294363	19.21	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	540789	92.60	ug/l	99
59) 2-Hexanone	10.75	43	718414	88.78	ug/l	98
60) Dibromochloromethane	10.90	129	186719	18.15	ug/l	98
61) 1,2-Dibromoethane	11.01	107	171844	18.67	ug/l	100
64) Tetrachloroethene	10.63	164	197418	19.97	ug/l	99
65) Chlorobenzene	11.44	112	507412	19.13	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	185474	19.21	ug/l	98
67) Ethyl Benzene	11.51	91	900467	21.00	ug/l	100
68) m/p-Xylenes	11.62	106	688389	42.17	ug/l	97
69) o-Xylene	11.95	106	335252	21.32	ug/l	98
70) Styrene	11.97	104	544595	21.30	ug/l	98
71) Bromoform	12.13	173	135160	19.15	ug/l #	97
73) Isopropylbenzene	12.25	105	904170	20.96	ug/l	98
74) N-amyl acetate	12.07	43	277481	19.84	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	214066	17.20	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	306634	29.47	ug/l #	100
77) Bromobenzene	12.53	156	1824943	157.88	ug/l #	1
78) n-propylbenzene	12.59	91	960681	19.67	ug/l	99
79) 2-Chlorotoluene	12.68	91	582098	19.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	830286	23.71	ug/l	88
81) trans-1,4-Dichloro-2-buten	12.30	75	52652	17.78	ug/l	99
82) 4-Chlorotoluene	12.77	91	593466	19.73	ug/l	97
83) tert-Butylbenzene	12.99	119	577692	18.91	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	706272	19.91	ug/l	99
85) sec-Butylbenzene	13.17	105	755539	18.55	ug/l	99
86) p-Isopropyltoluene	13.29	119	663134	19.00	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	373804	18.16	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	371139	18.05	ug/l	99
89) n-Butylbenzene	13.62	91	548726	18.47	ug/l	97
90) Hexachloroethane	13.88	117	97121	15.65	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	374942	18.17	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36530	17.28	ug/l	88

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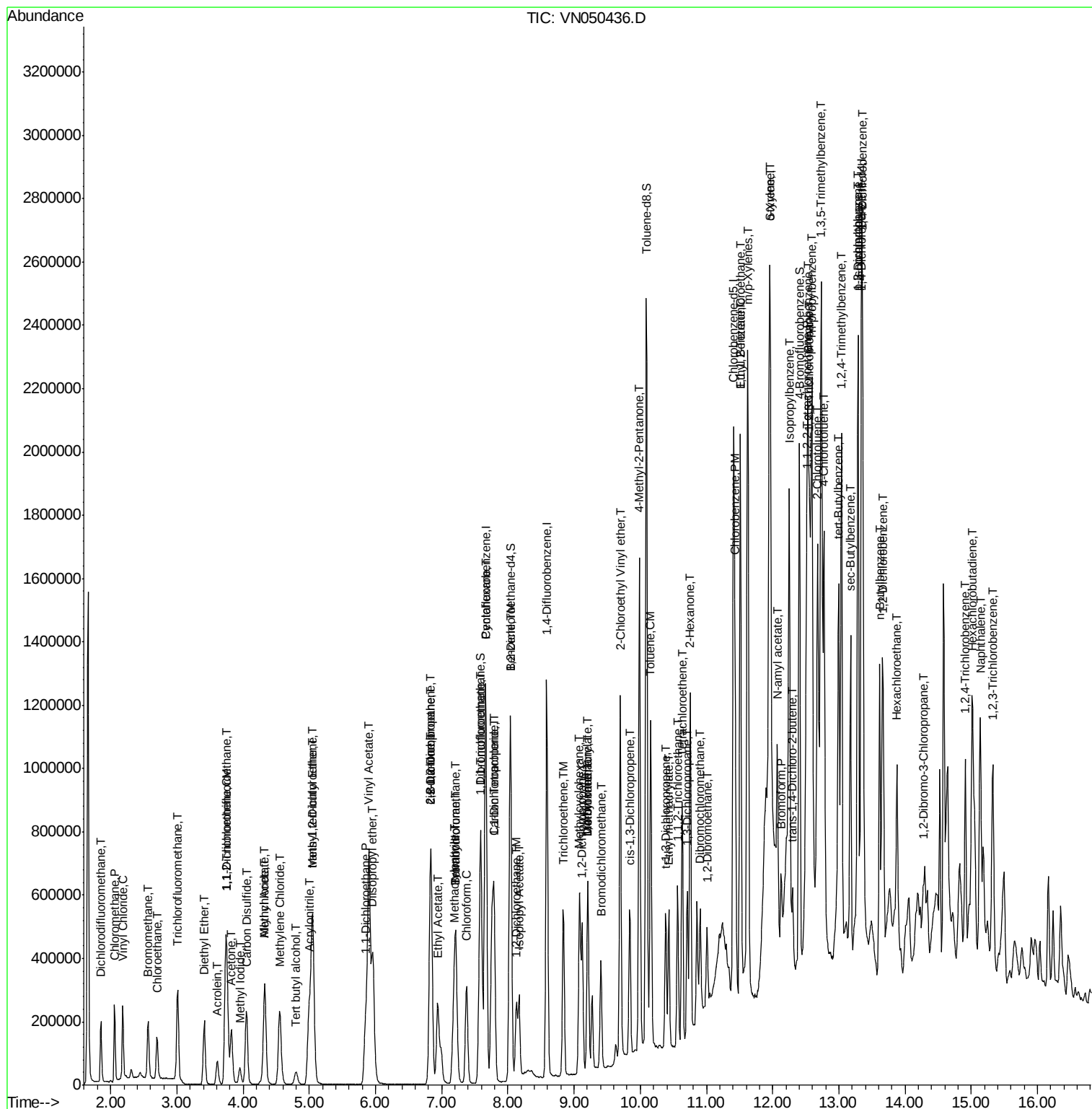
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

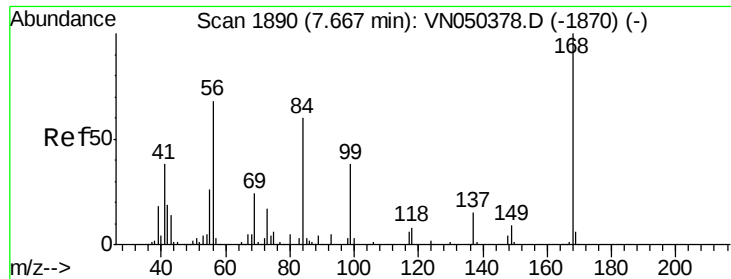
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	216639	20.61	ug/l	97
94) Hexachlorobutadiene	15.01	225	104020	17.03	ug/l	100
95) Naphthalene	15.14	128	644397	25.10	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	211528	19.90	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

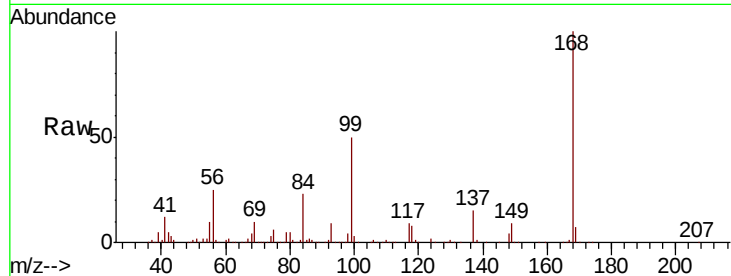
VN0807MBSD01

Tot Ion:168 Resp: 776947

Ion Ratio Lower Upper

168 100

99 50.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

200000

100000

0

Time-->

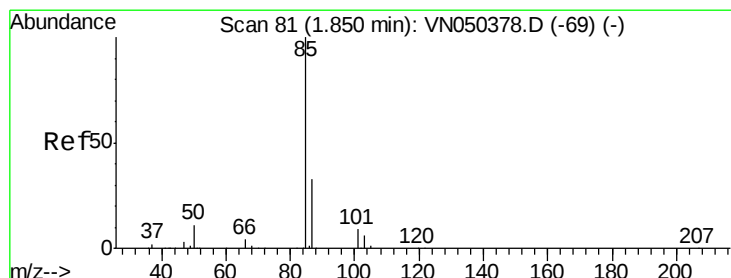
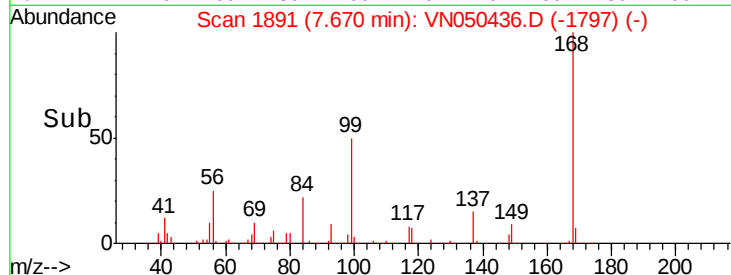
7.50

7.60

7.70

7.80

7.90



#2

Dichlorodifluoromethane

Concen: 18.06 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050436.D

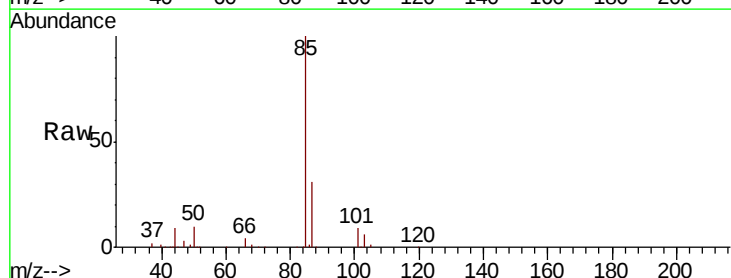
Acq: 7 Aug 2018 17:05

Tgt Ion: 85 Resp: 155719

Ion Ratio Lower Upper

85 100

87 31.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

40000

20000

0

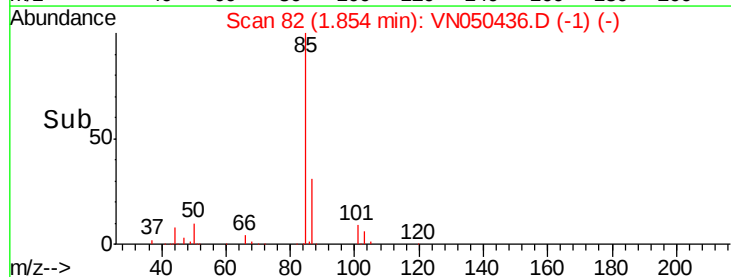
Time-->

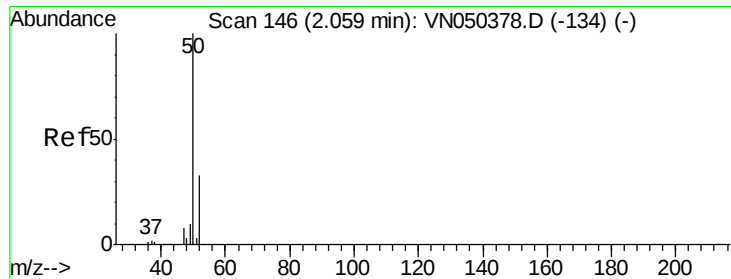
1.80

1.85

1.90

1.95





#3

Chloromethane

Concen: 18.44 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

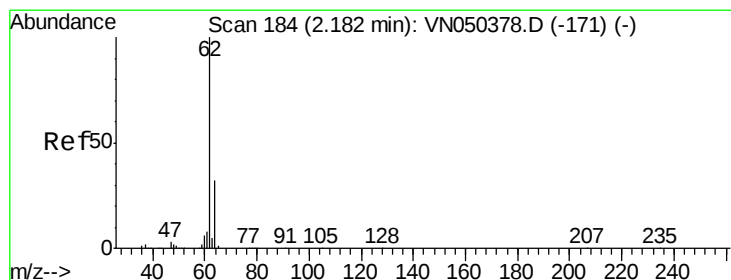
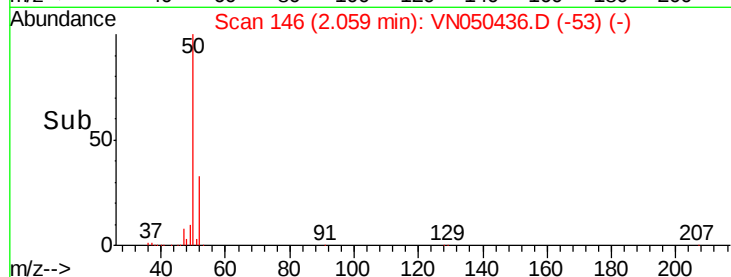
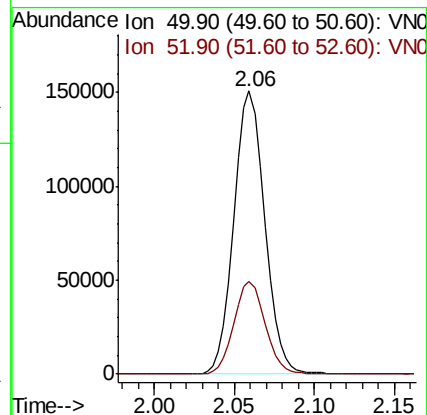
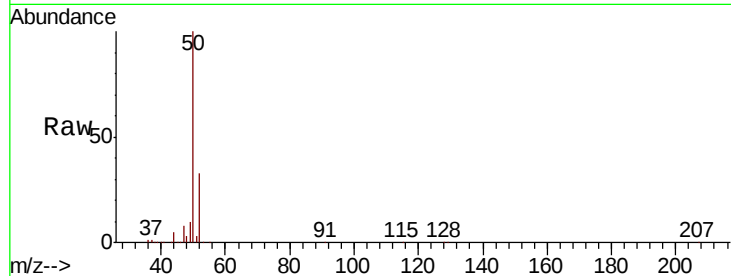
VN0807MBSD01

Tot Ion: 50 Resp: 197358

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9



#4

Vinyl Chloride

Concen: 18.74 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050436.D

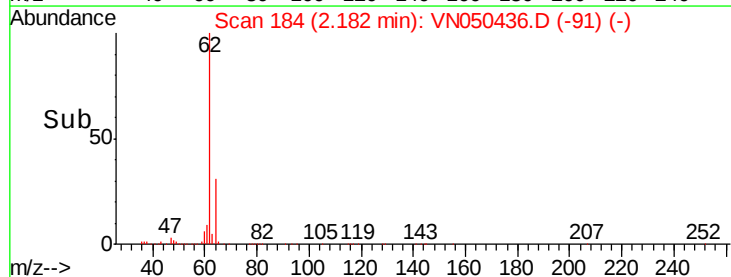
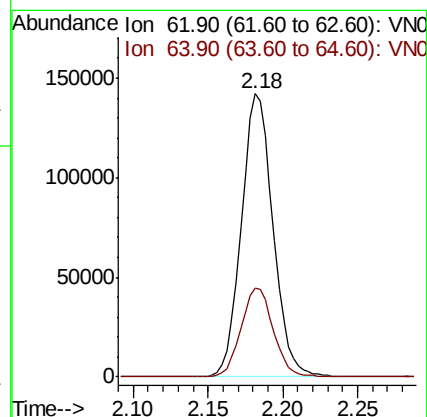
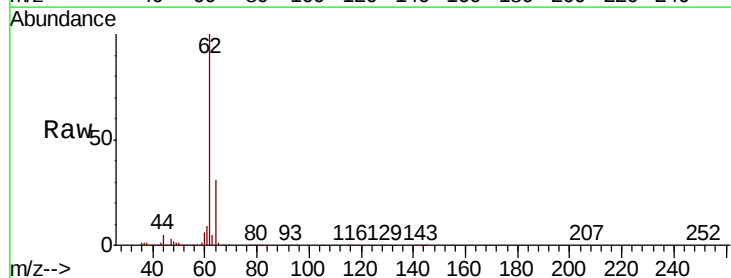
Acq: 7 Aug 2018 17:05

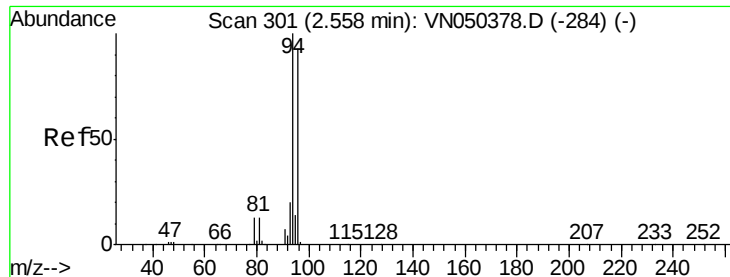
Tgt Ion: 62 Resp: 209175

Ion Ratio Lower Upper

62 100

64 31.4 24.7 37.1





#5

Bromomethane

Concen: 23.17 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

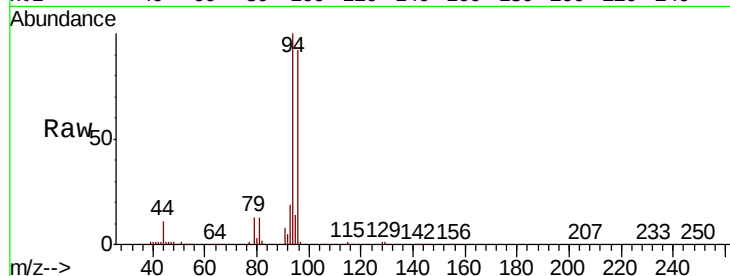
VN0807MBSD01

Tot Ion: 94 Resp: 124911

Ion Ratio Lower Upper

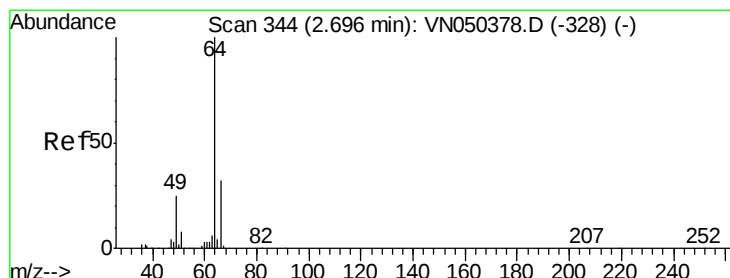
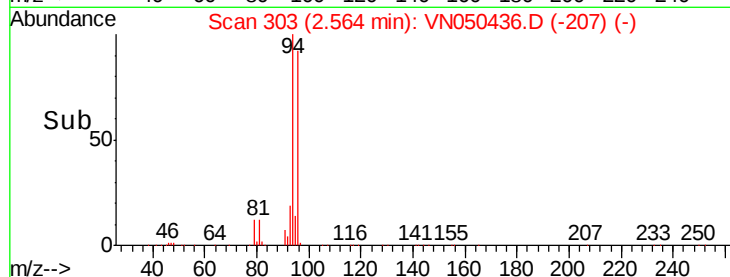
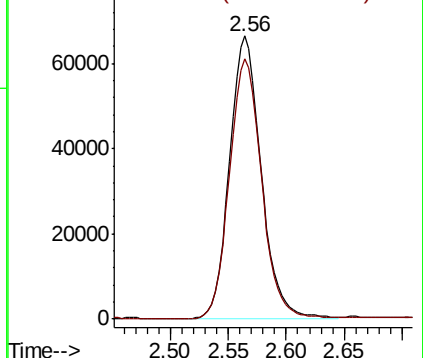
94 100

96 92.3 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.59 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050436.D

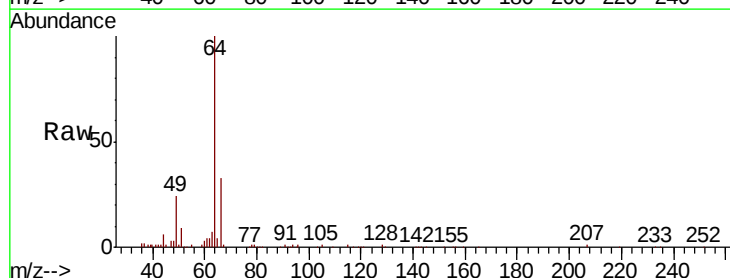
Acq: 7 Aug 2018 17:05

Tgt Ion: 64 Resp: 127841

Ion Ratio Lower Upper

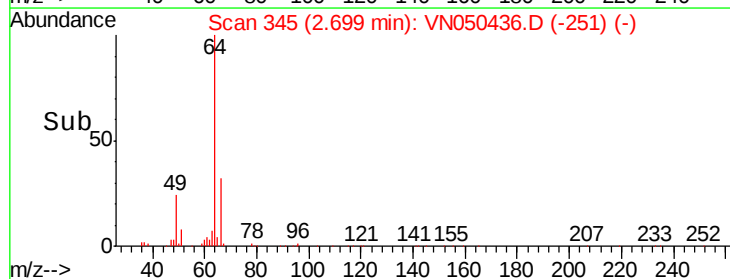
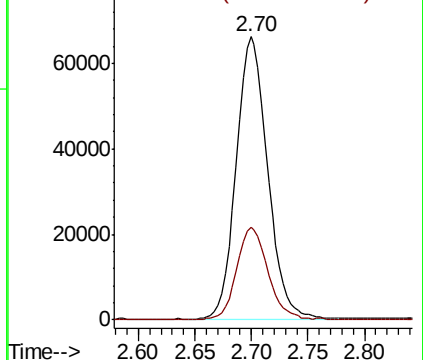
64 100

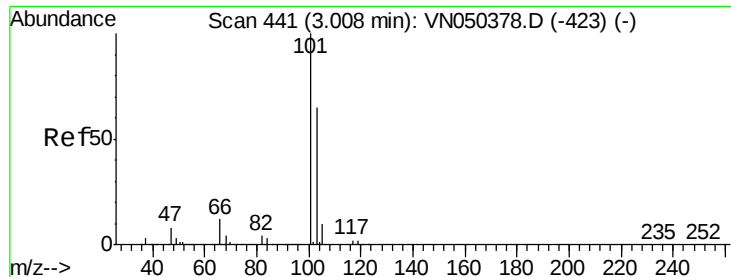
66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 19.41 ug/l

RT: 3.01 min Scan# 442

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

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ClientSampleId :

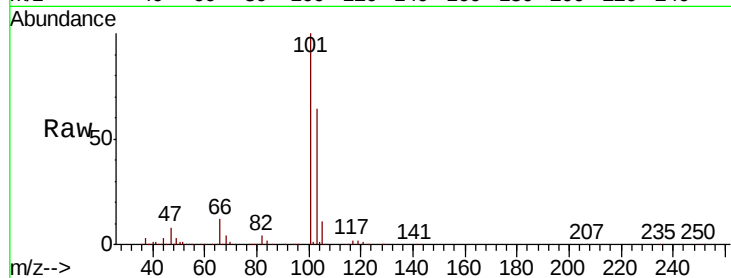
VN0807MBSD01

Tot Ion:101 Resp: 279856

Ion Ratio Lower Upper

101 100

103 63.5 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

150000

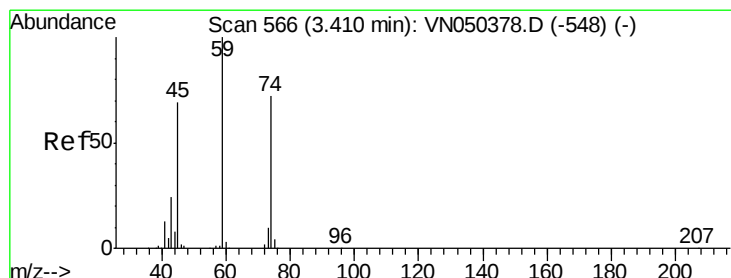
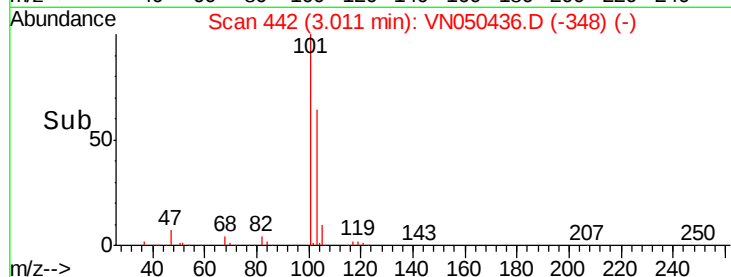
100000

50000

0

Time-->

2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 20.02 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050436.D

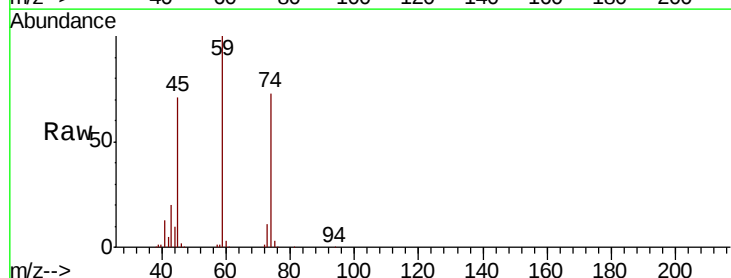
Acq: 7 Aug 2018 17:05

Tgt Ion: 74 Resp: 105864

Ion Ratio Lower Upper

74 100

45 96.7 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

50000

40000

30000

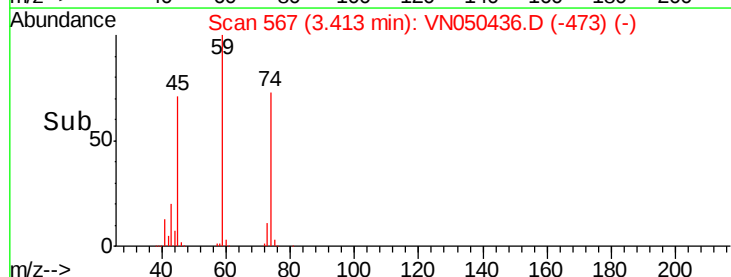
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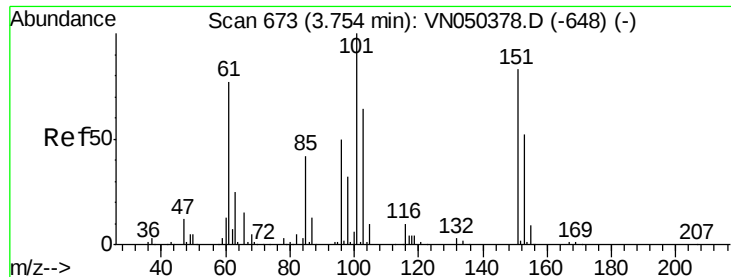
10000

0

Time-->

3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.57 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

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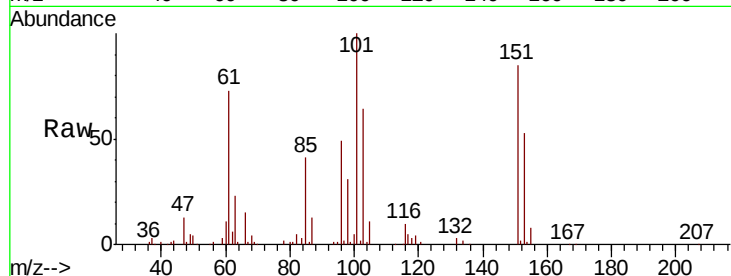
Tot Ion:101 Resp: 174339

Ion Ratio Lower Upper

101 100

85 41.4 34.2 51.2

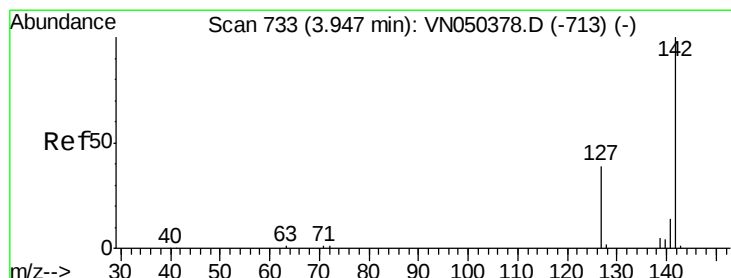
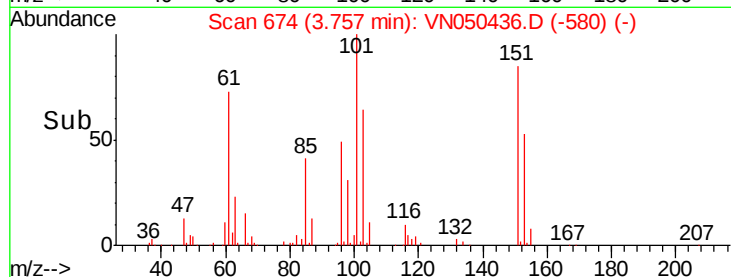
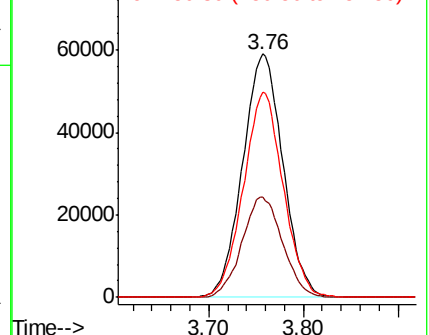
151 83.5 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.08 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.01 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

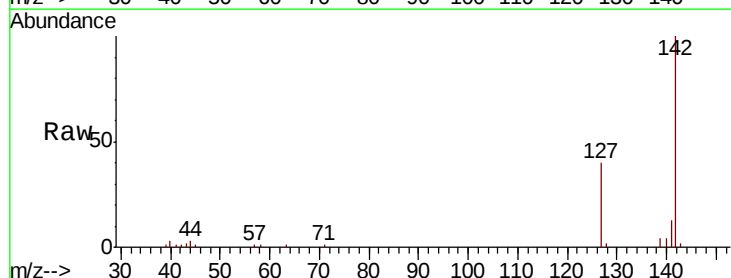
Tgt Ion:142 Resp: 82755

Ion Ratio Lower Upper

142 100

127 38.9 33.4 50.2

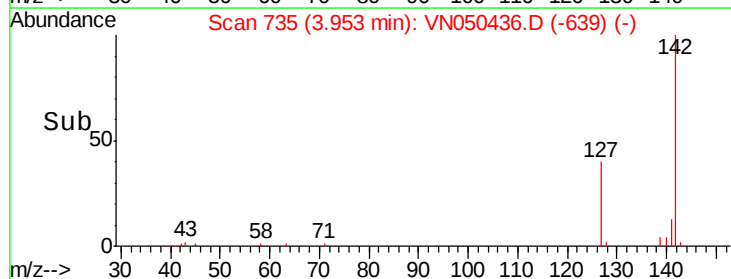
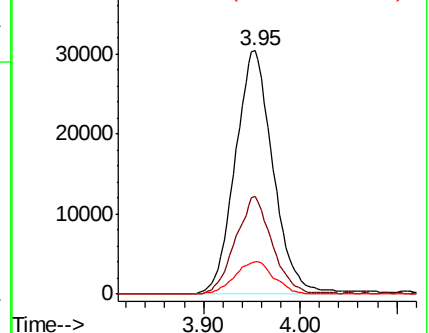
141 13.8 11.6 17.4

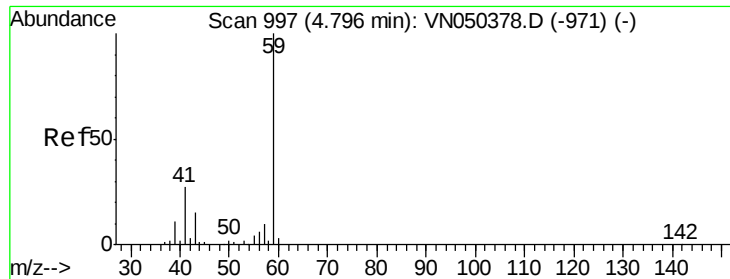


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

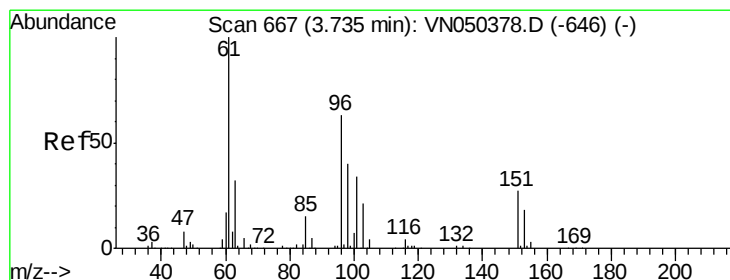
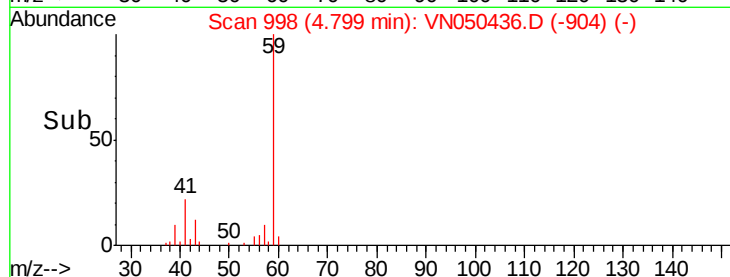
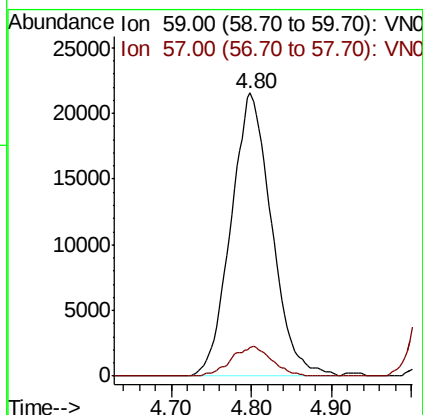
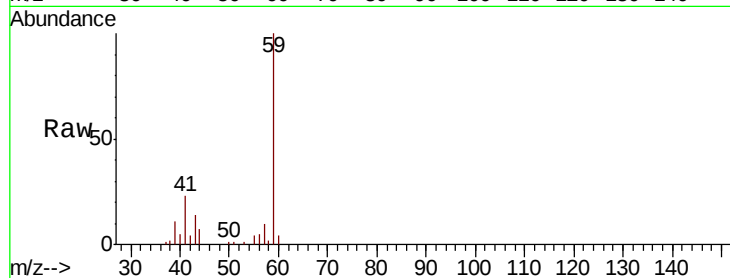




#11
Tert butyl alcohol
Concen: 89.06 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

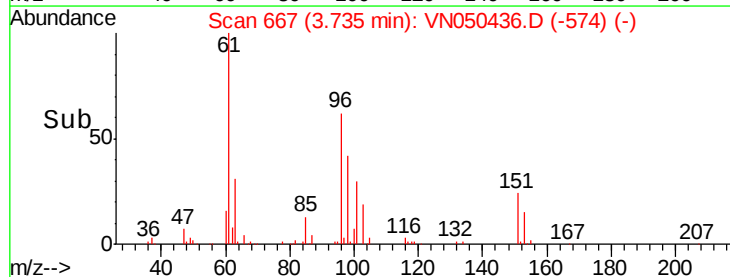
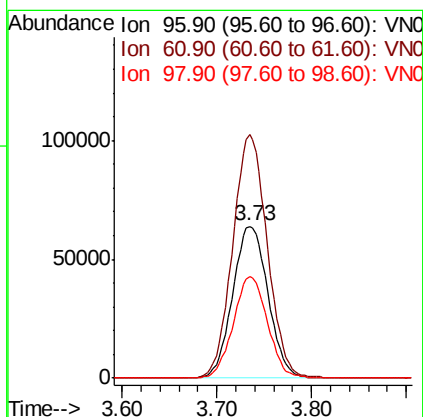
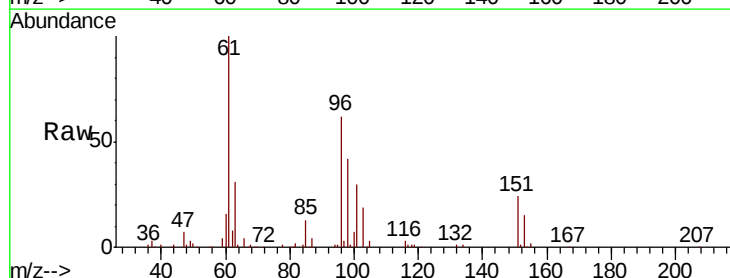
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

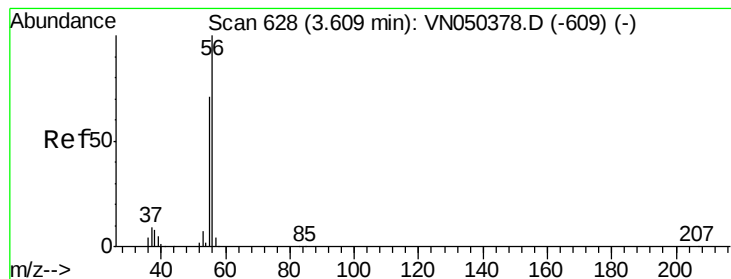
Tot Ion: 59 Resp: 74271
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#12
1,1-Dichloroethene
Concen: 19.77 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 96 Resp: 166041
Ion Ratio Lower Upper
96 100
61 160.2 124.4 186.6
98 66.5 48.3 72.5





#13

Acrolein

Concen: 89.64 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

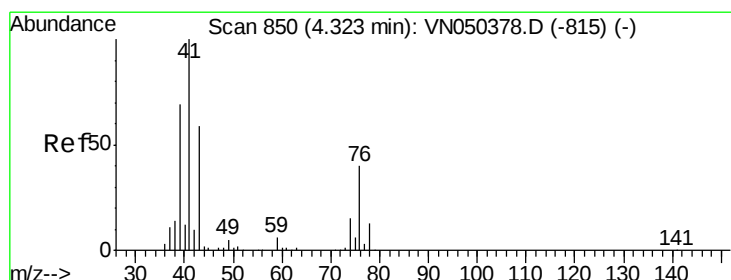
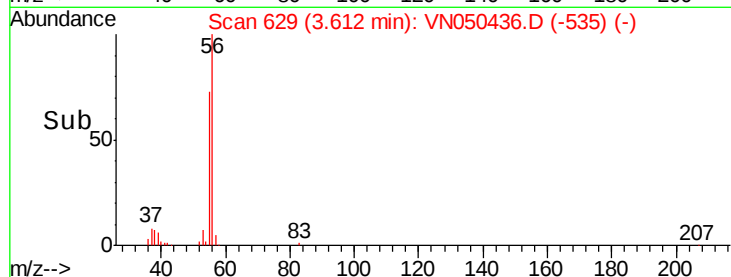
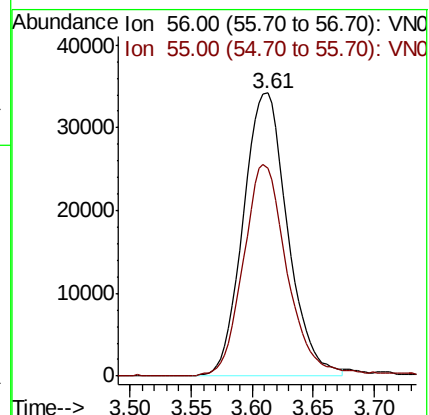
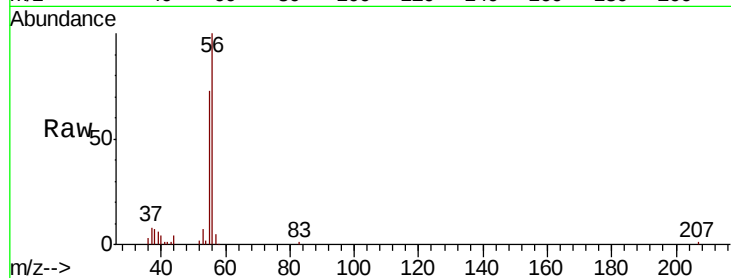
VN0807MBSD01

Tot Ion: 56 Resp: 86130

Ion Ratio Lower Upper

56 100

55 74.4 55.8 83.6



#14

Allyl chloride

Concen: 19.09 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

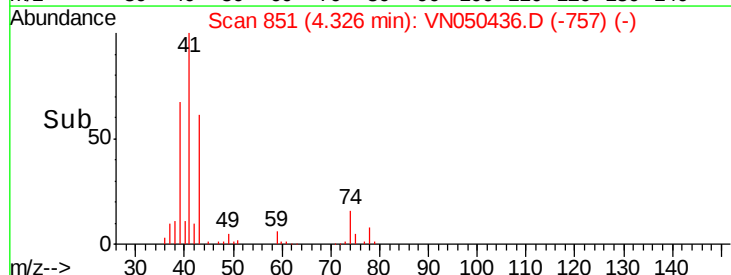
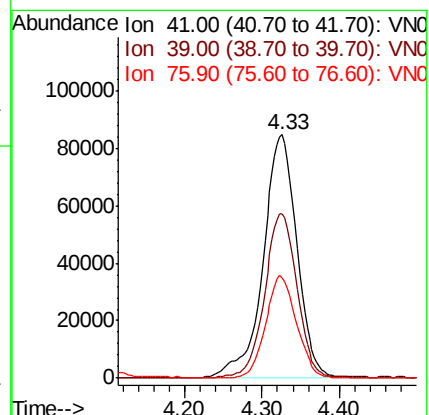
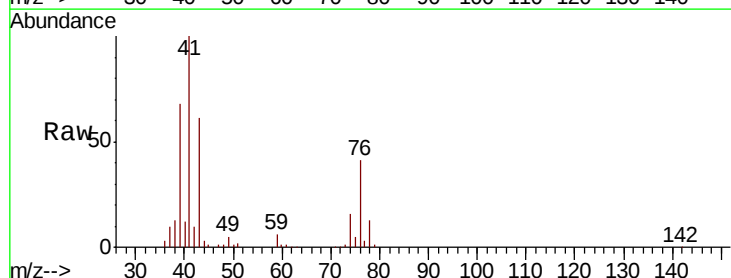
Tgt Ion: 41 Resp: 257517

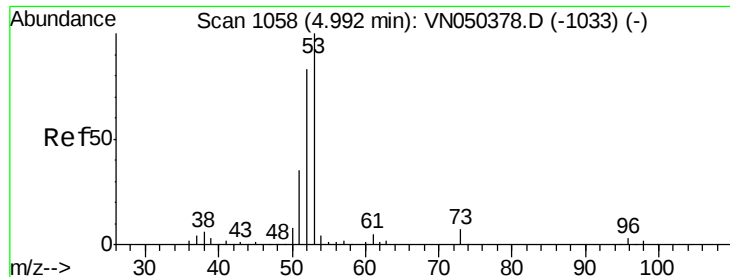
Ion Ratio Lower Upper

41 100

39 64.8 54.2 81.4

76 37.8 29.0 43.6





#15

Acrylonitrile

Concen: 90.53 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

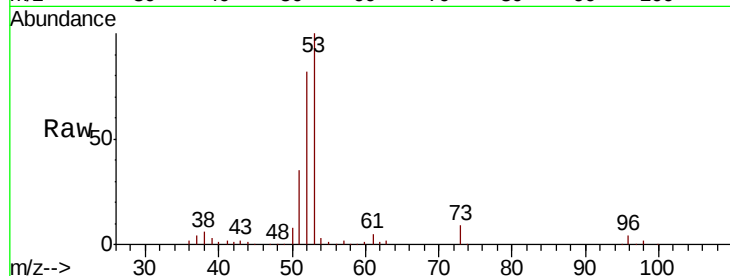
Tot Ion: 53 Resp: 316227

Ion Ratio Lower Upper

53 100

52 81.7 66.2 99.2

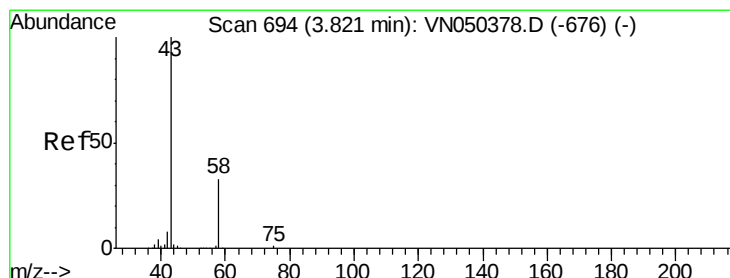
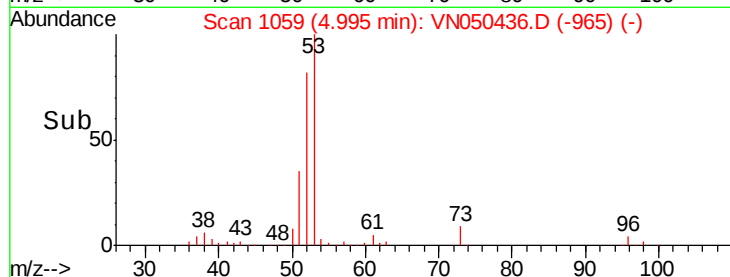
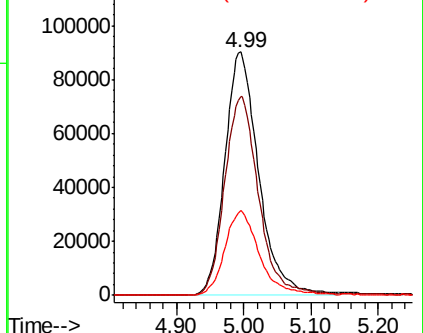
51 35.5 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 90.16 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050436.D

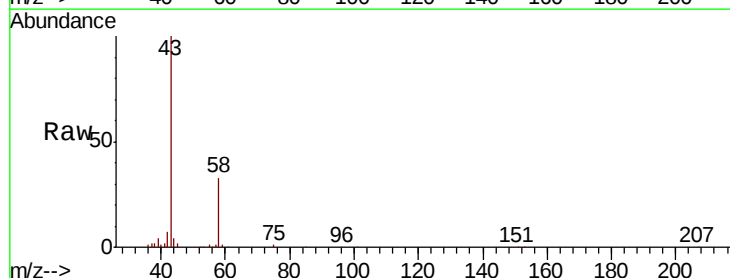
Acq: 7 Aug 2018 17:05

Tgt Ion: 43 Resp: 279825

Ion Ratio Lower Upper

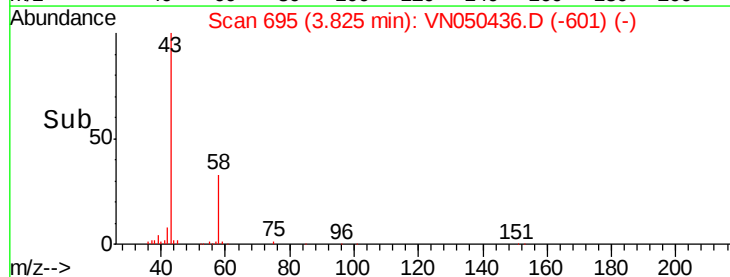
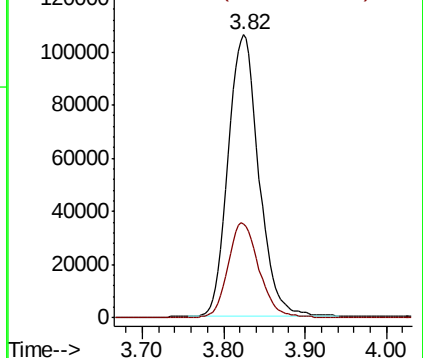
43 100

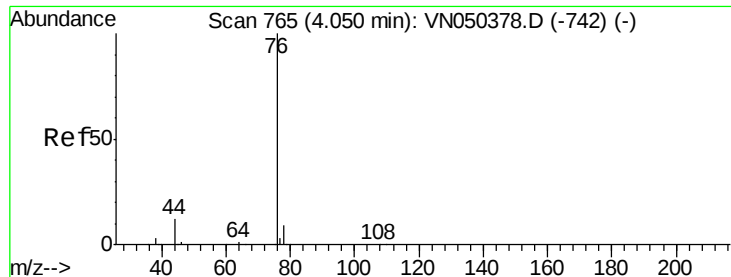
58 33.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

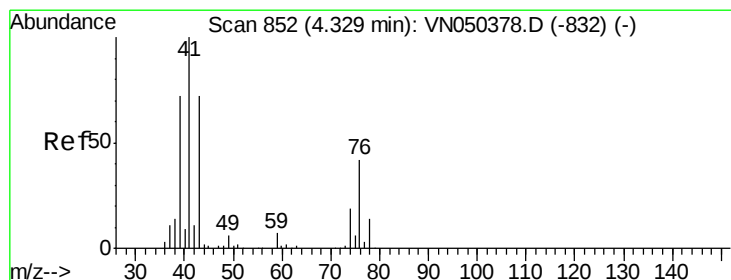
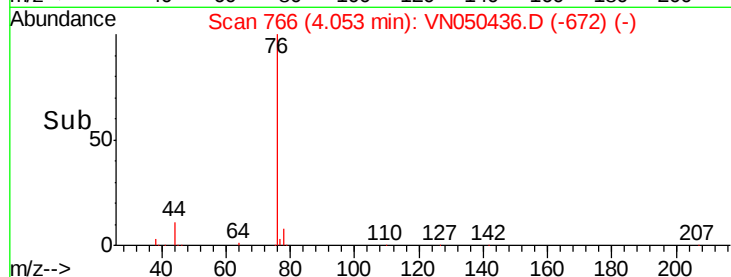
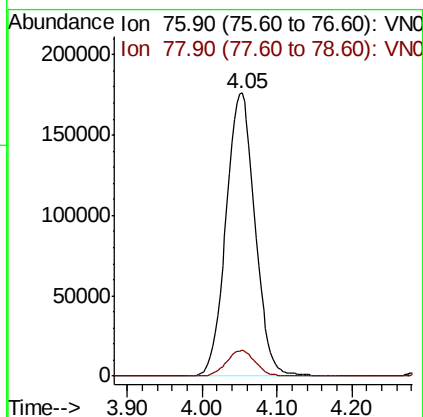
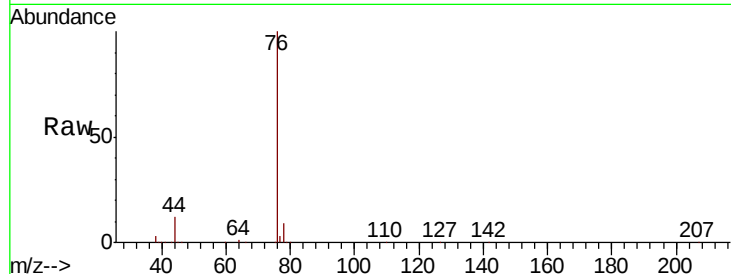




#17
Carbon Disulfide
Concen: 17.29 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

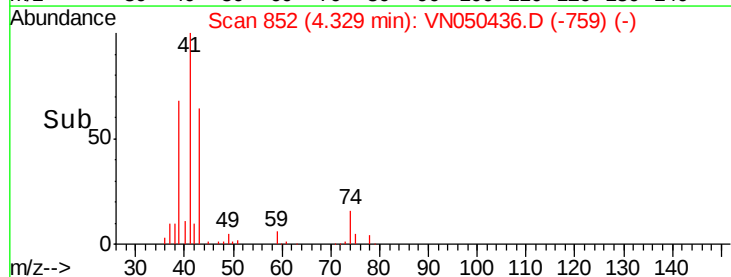
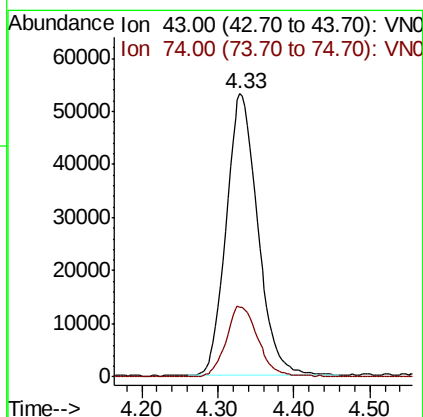
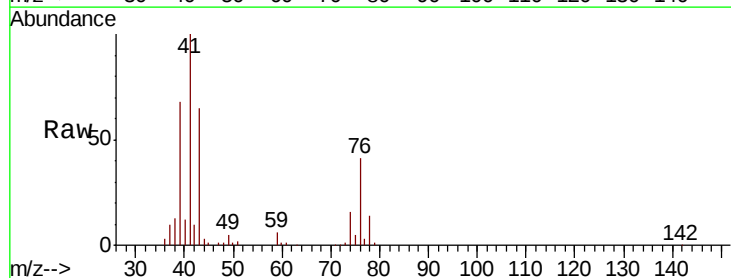
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

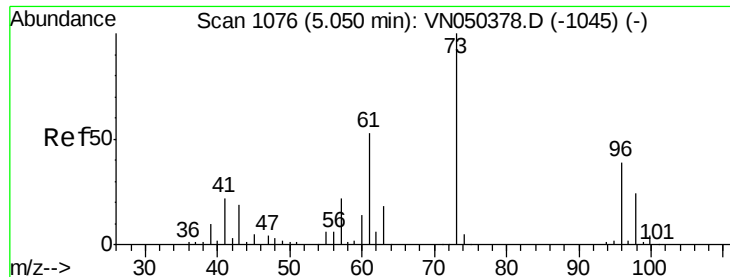
Tot Ion: 76 Resp: 472296
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 18.99 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 43 Resp: 153722
Ion Ratio Lower Upper
43 100
74 25.2 19.2 28.8

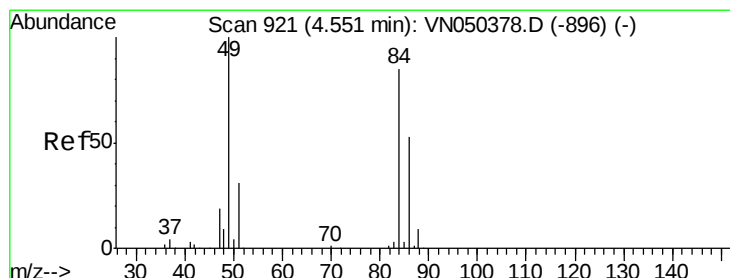
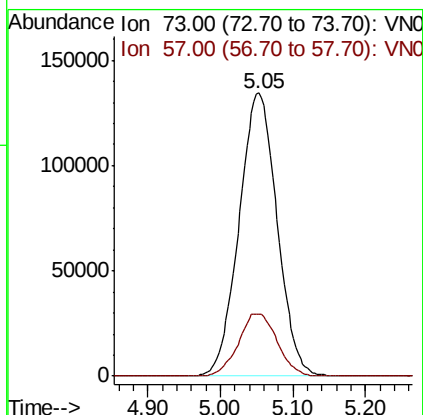
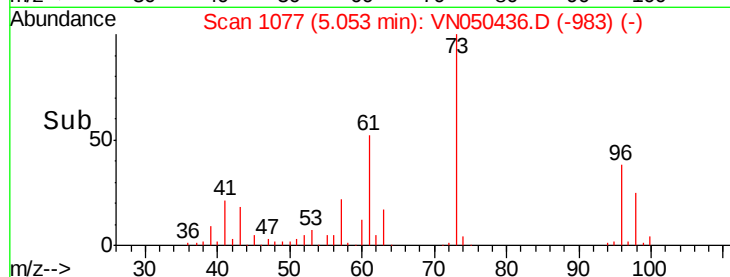
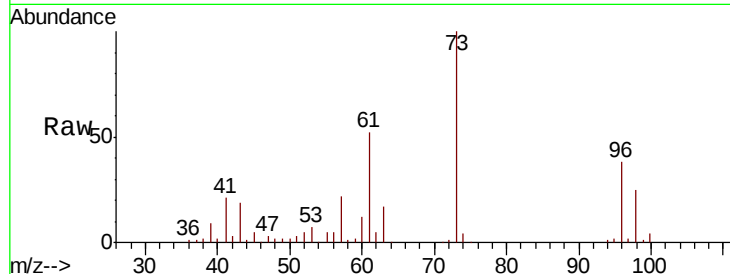




#19
Methvl tert-butvl Ether
Concen: 20.58 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

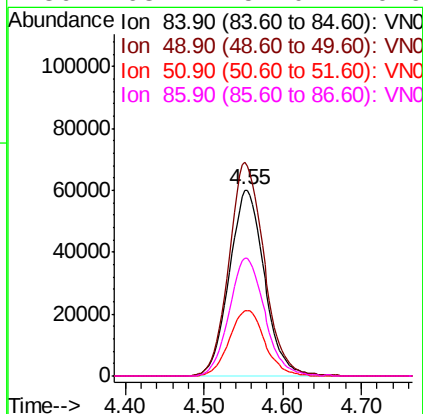
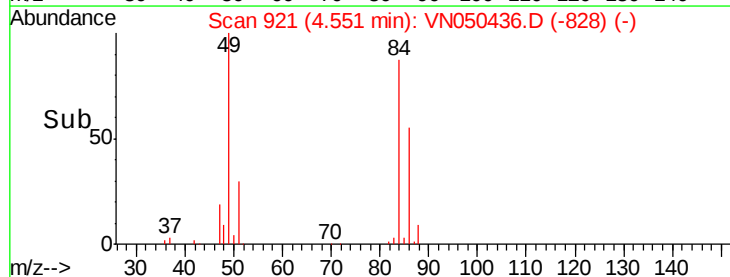
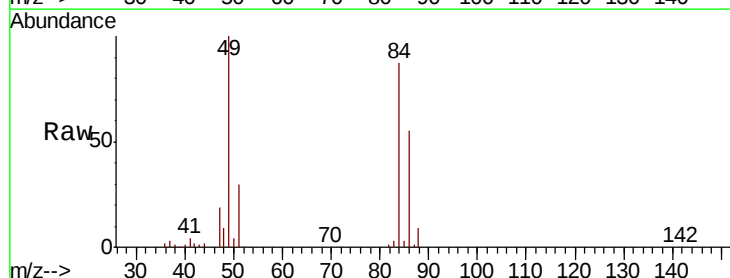
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

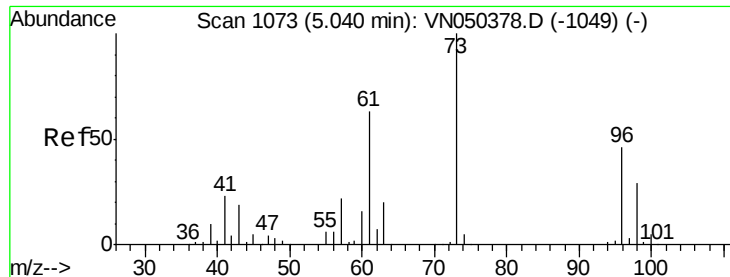
Tot Ion: 73 Resp: 490693
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0



#20
Methylene Chloride
Concen: 18.78 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 84 Resp: 186986
Ion Ratio Lower Upper
84 100
49 114.8 94.8 142.2
51 34.8 28.3 42.5
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.45 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

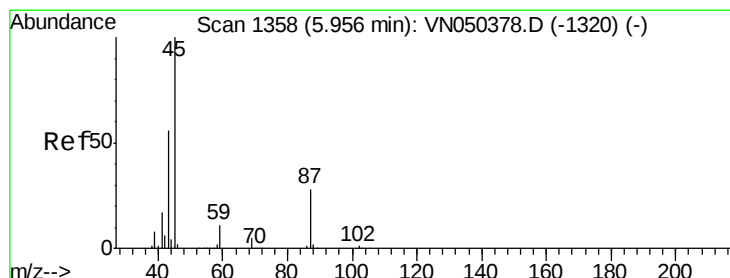
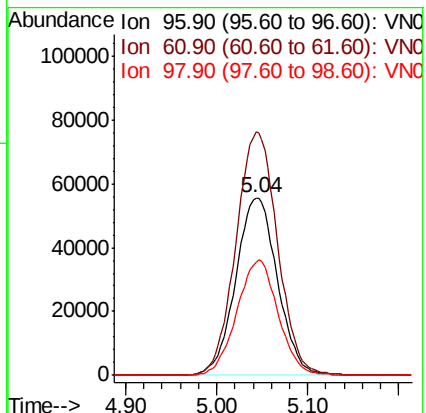
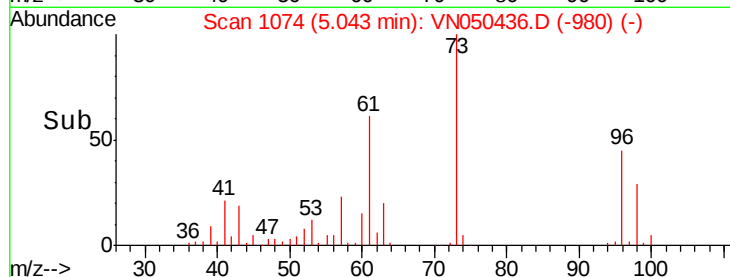
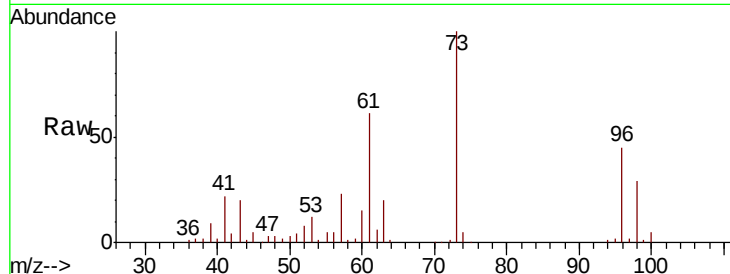
Tot Ion: 96 Resp: 176835

Ion Ratio Lower Upper

96 100

61 136.9 110.7 166.1

98 64.0 51.6 77.4



#22

Diisopropyl ether

Concen: 20.58 ug/l

RT: 5.96 min Scan# 1359

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Tgt Ion: 45 Resp: 567122

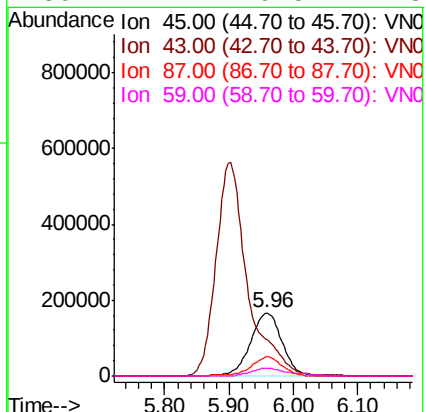
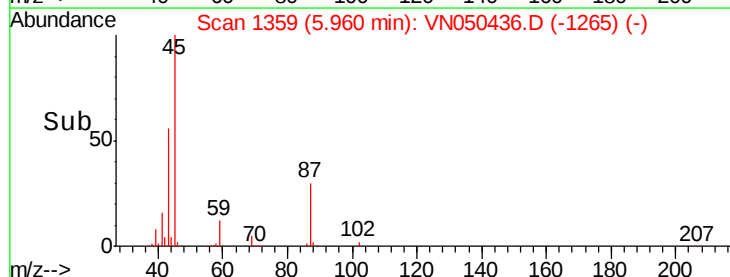
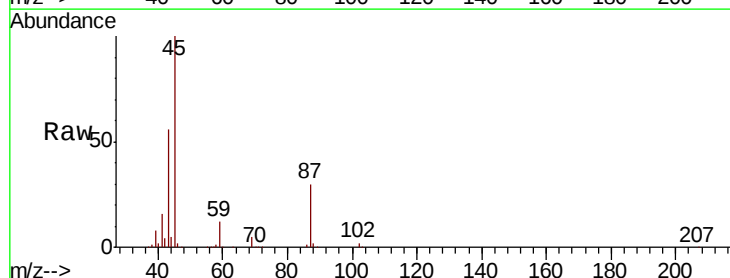
Ion Ratio Lower Upper

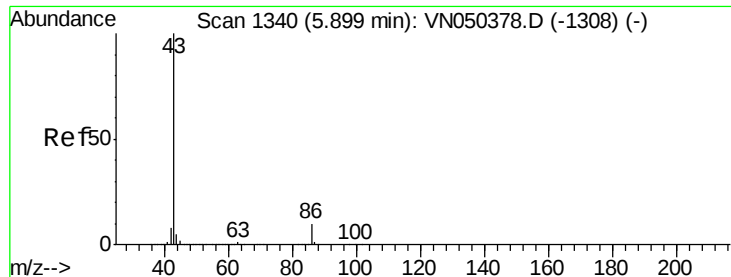
45 100

43 55.3 45.7 68.5

87 29.9 22.7 34.1

59 12.2 9.5 14.3





#23

Vinyl Acetate

Concen: 97.55 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

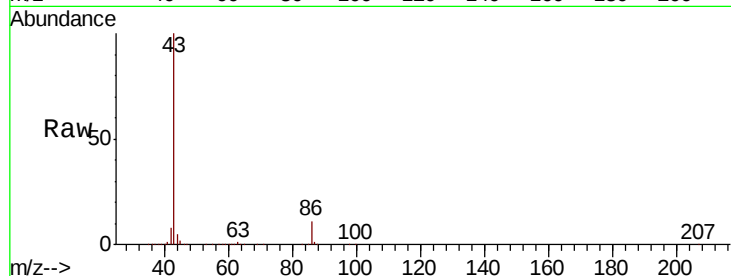
VN0807MBSD01

Tot Ion: 43 Resp: 1917986

Ion Ratio Lower Upper

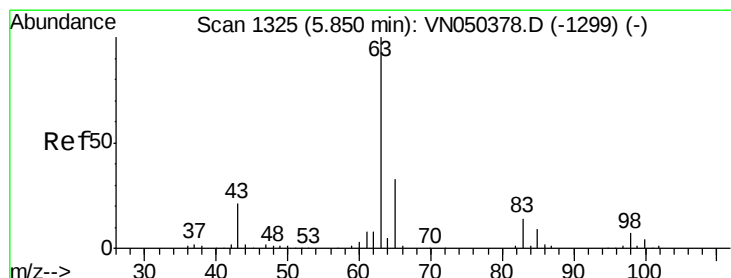
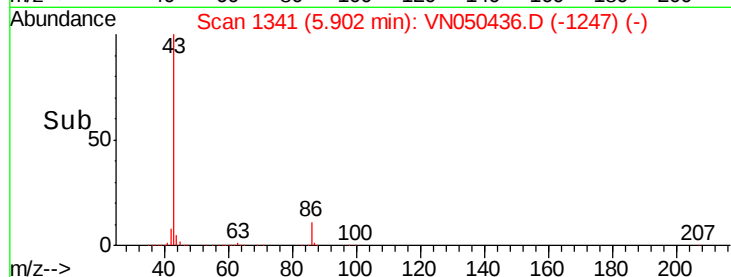
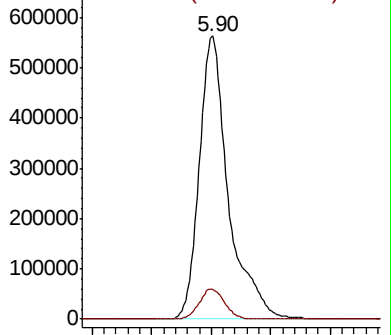
43 100

86 10.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.67 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

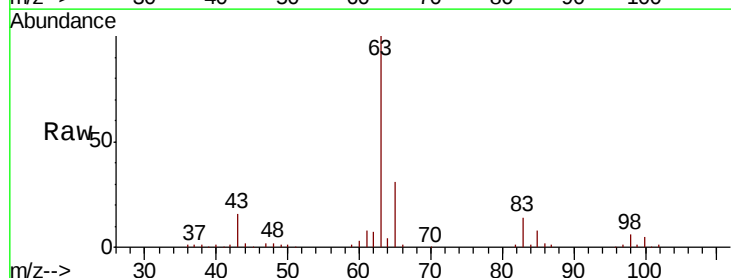
Tgt Ion: 63 Resp: 332543

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

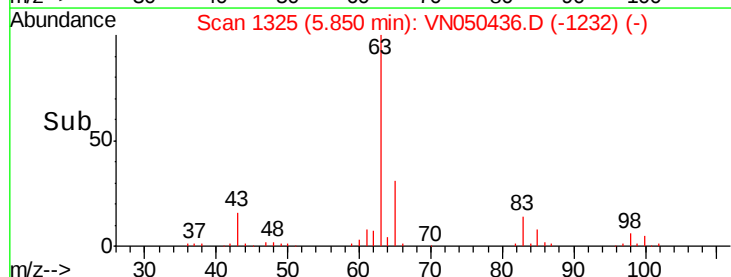
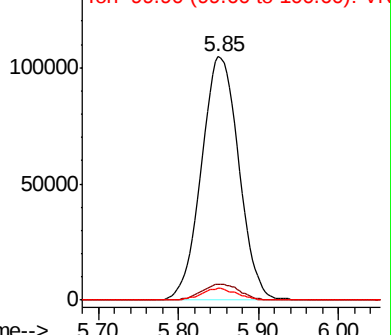
100 4.7 2.1 6.3

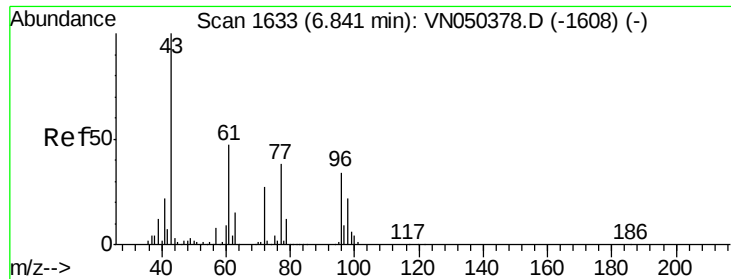


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

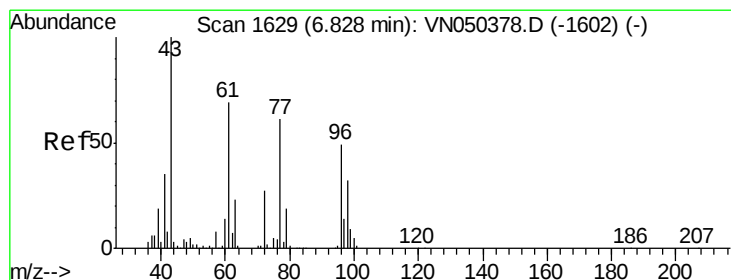
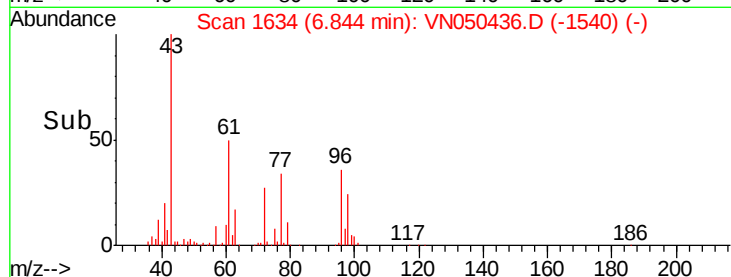
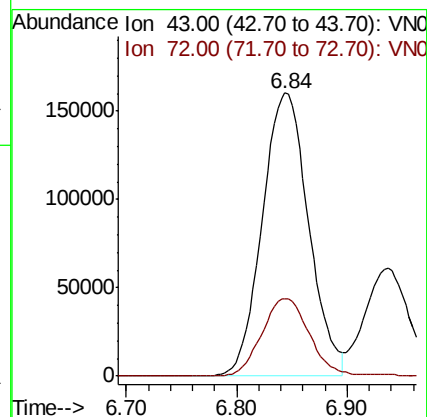
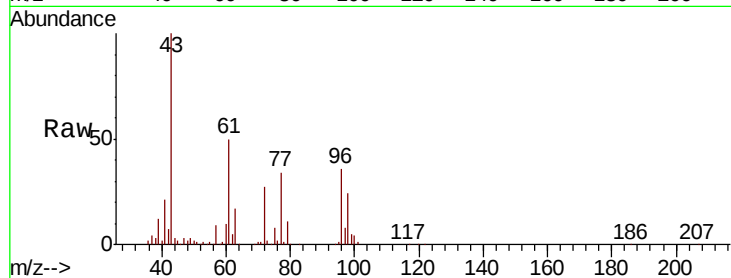




#25
2-Butanone
Concen: 90.38 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

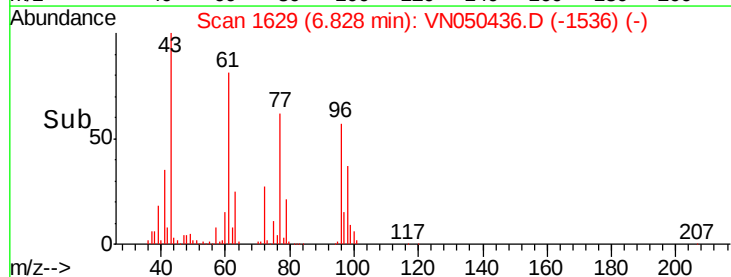
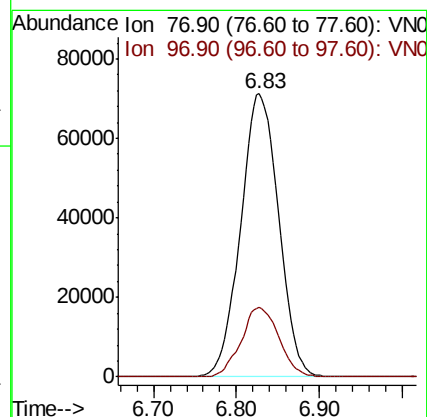
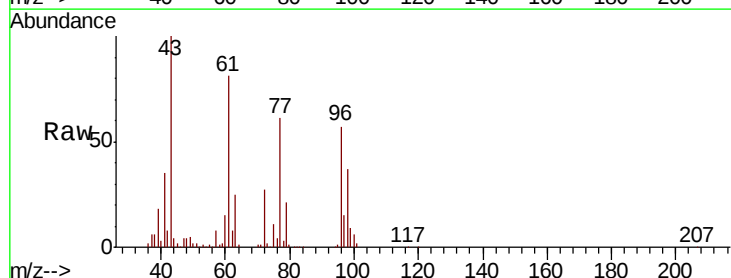
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

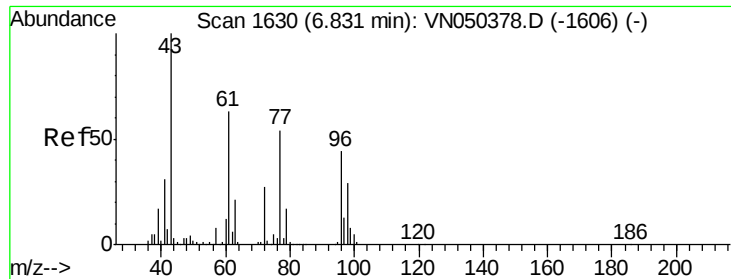
Tot Ion: 43 Resp: 464929
Ion Ratio Lower Upper
43 100
72 27.5 21.5 32.3



#26
2,2-Dichloropropane
Concen: 16.27 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 77 Resp: 226763
Ion Ratio Lower Upper
77 100
97 24.4 11.8 35.3

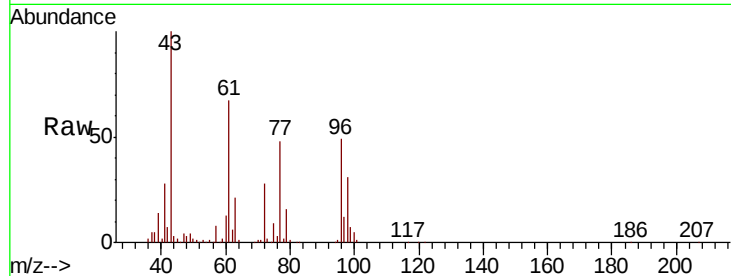




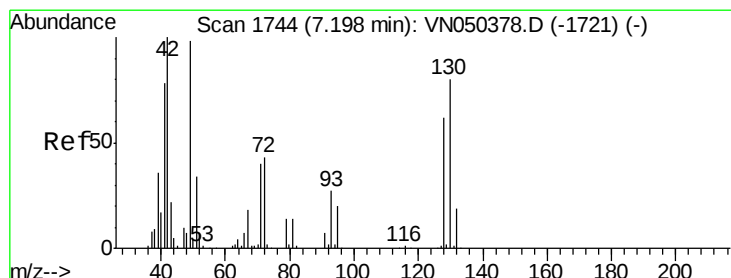
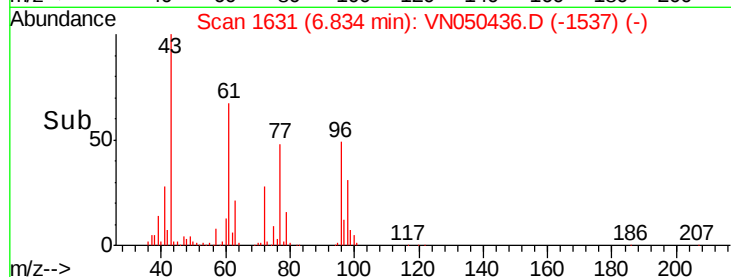
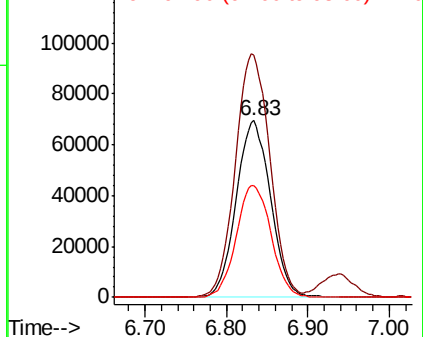
#27
 cis-1,2-Dichloroethene
 Concen: 20.11 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBSD01

Tot Ion: 96 Resp: 202600
 Ion Ratio Lower Upper
 96 100
 61 138.8 0.0 285.0
 98 64.1 0.0 129.2

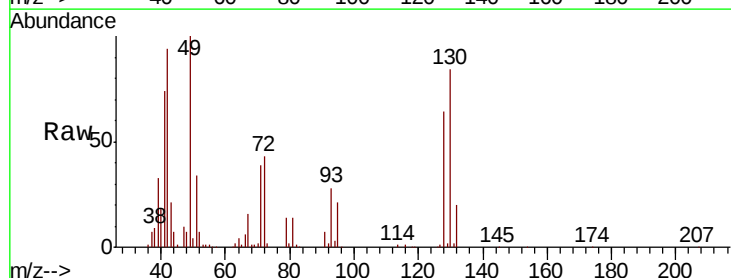


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

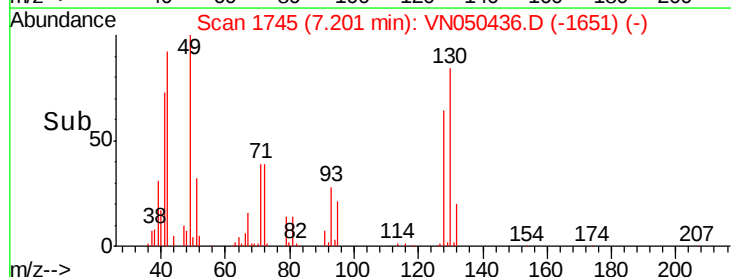
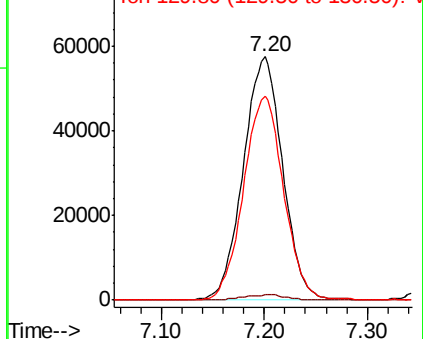


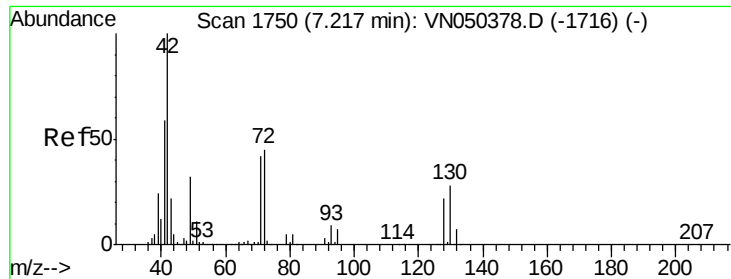
#28
 Bromochloromethane
 Concen: 19.57 ug/l
 RT: 7.20 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Tgt Ion: 49 Resp: 152343
 Ion Ratio Lower Upper
 49 100
 129 2.4 0.0 4.0
 130 85.5 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 91.14 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

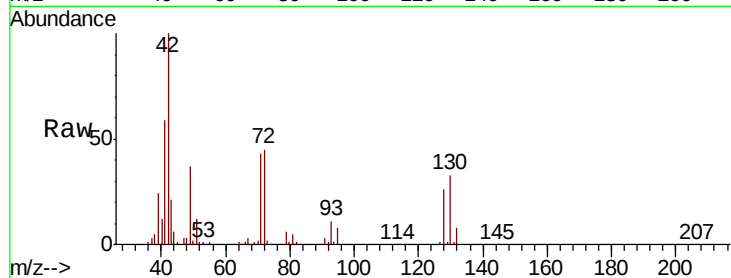
Tot Ion: 42 Resp: 250949

Ion Ratio Lower Upper

42 100

72 44.5 35.9 53.9

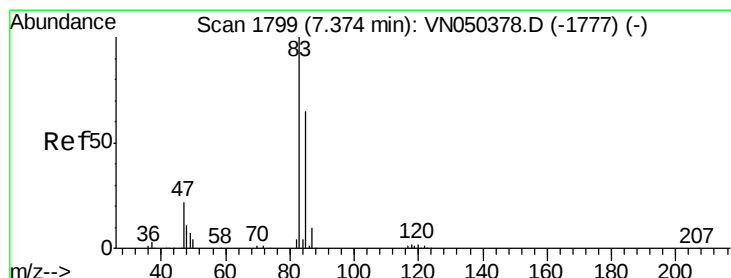
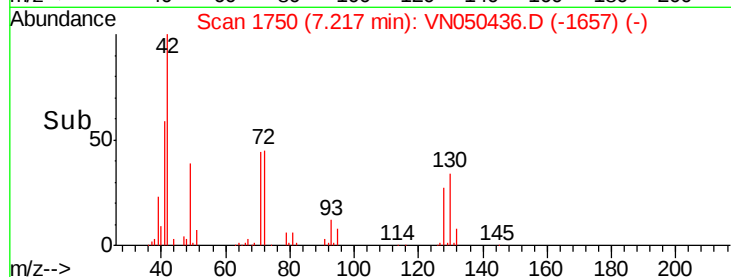
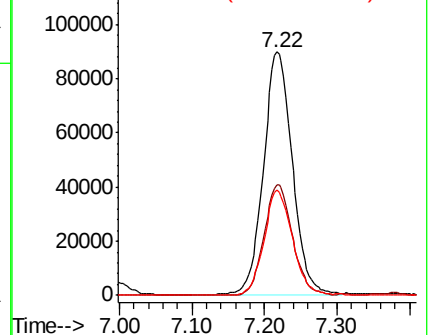
71 42.3 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.65 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050436.D

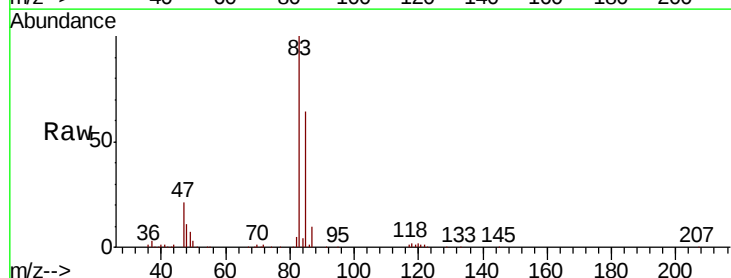
Acq: 7 Aug 2018 17:05

Tgt Ion: 83 Resp: 332086

Ion Ratio Lower Upper

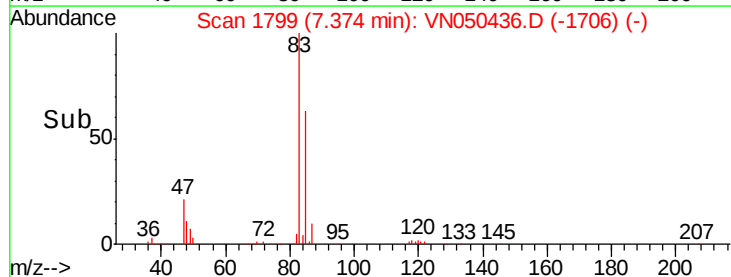
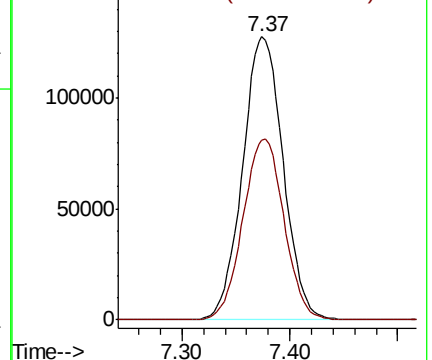
83 100

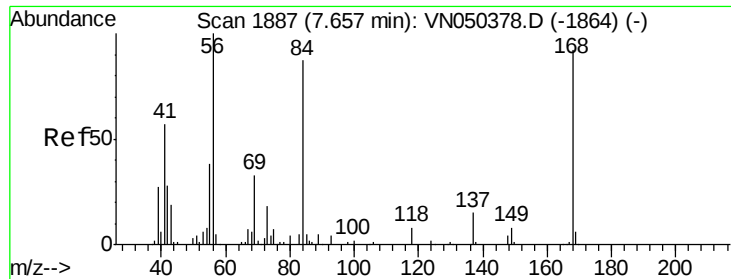
85 63.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.18 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

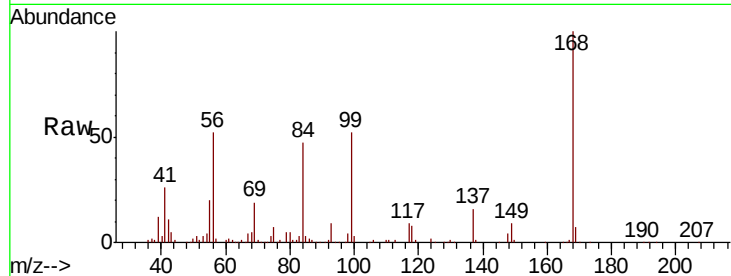
Tot Ion: 56 Resp: 291264

Ion Ratio Lower Upper

56 100

69 36.9 26.2 39.4

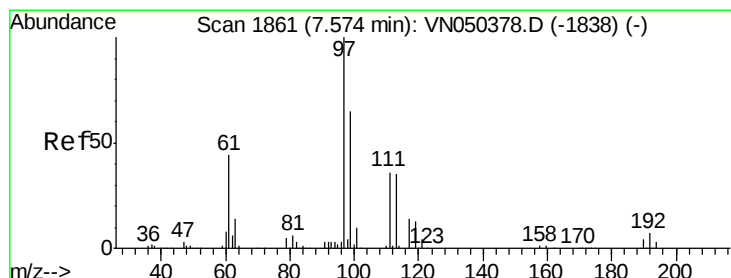
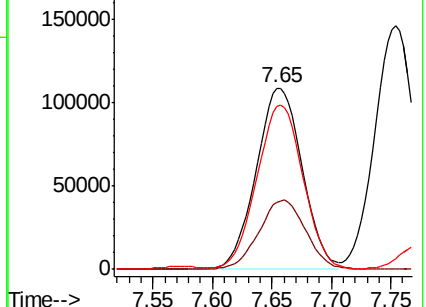
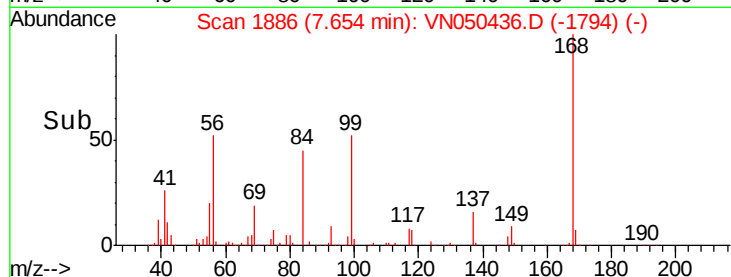
84 88.7 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.77 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

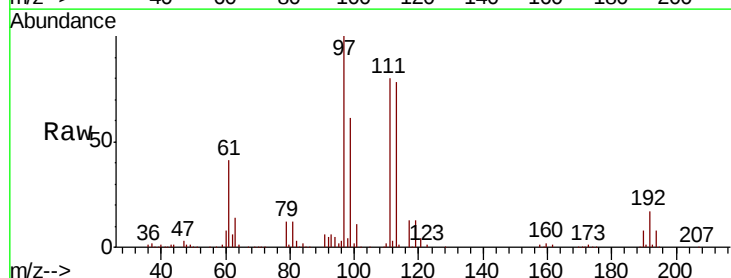
Tgt Ion: 97 Resp: 286975

Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

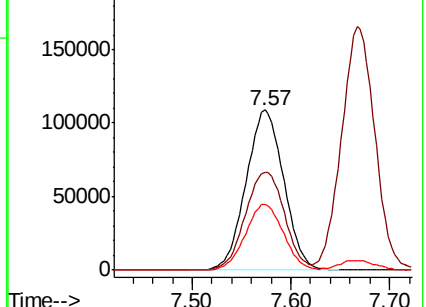
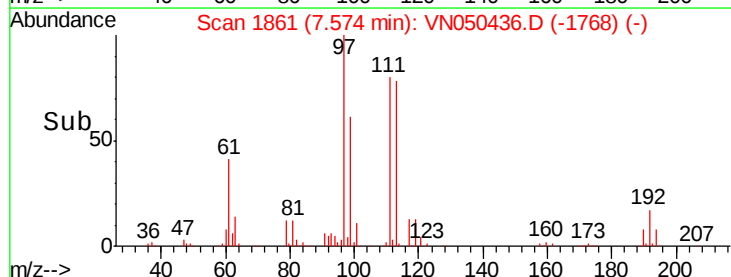
61 41.4 35.4 53.0

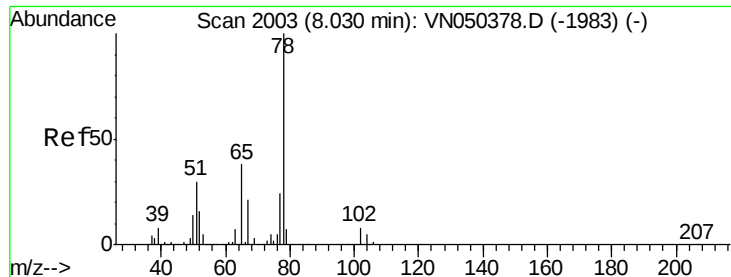


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.80 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

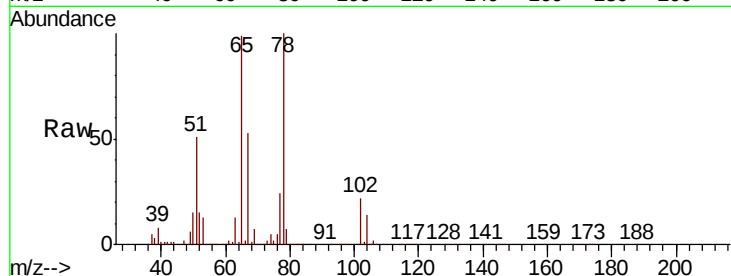
VN0807MBSD01

Tot Ion: 65 Resp: 496248

Ion Ratio Lower Upper

65 100

67 54.1 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050436.D (-1910) (-)

Ion 66.90 (66.60 to 67.60): VN050436.D (-1910) (-)

8.03

250000

200000

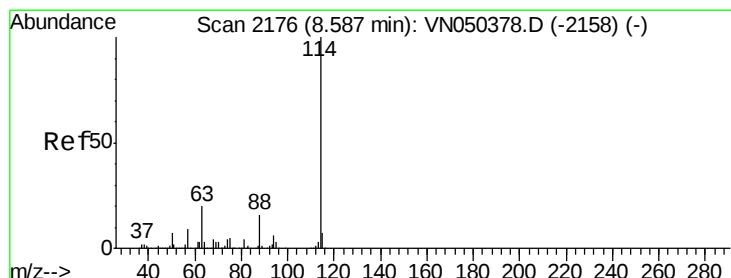
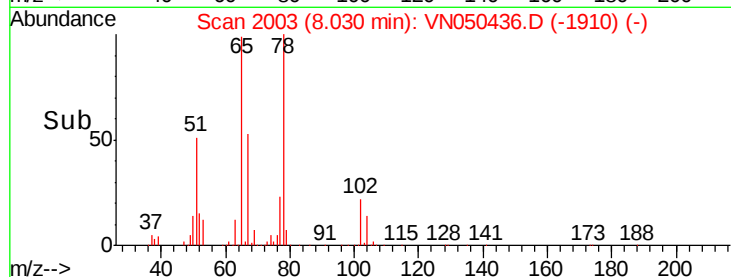
150000

100000

50000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

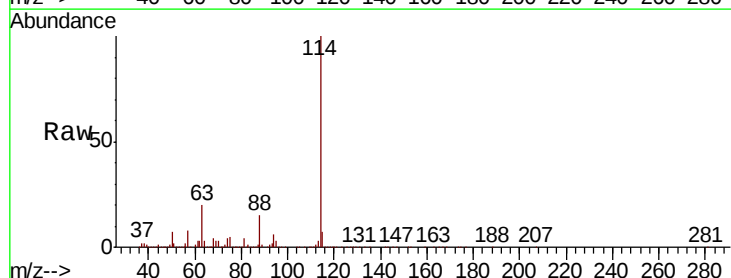
Tgt Ion: 114 Resp: 1178682

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.4 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050436.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN050436.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN050436.D (-2083) (-)

8.59

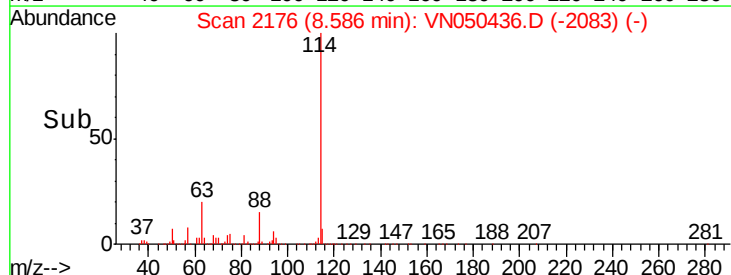
600000

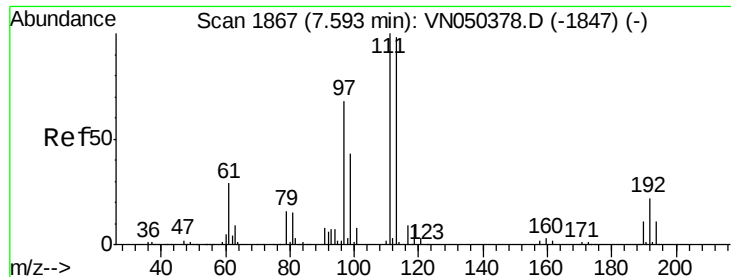
400000

200000

0

Time--> 8.50 8.60 8.70 8.80

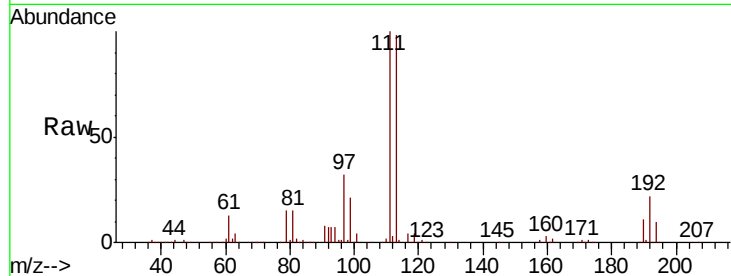




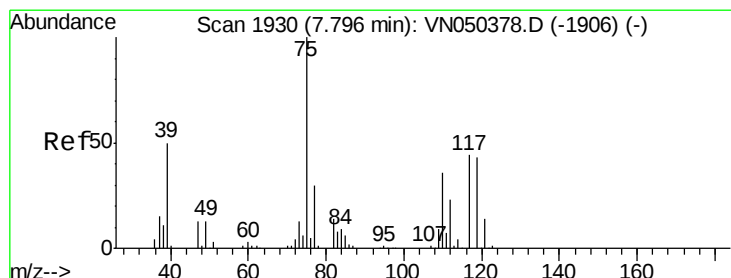
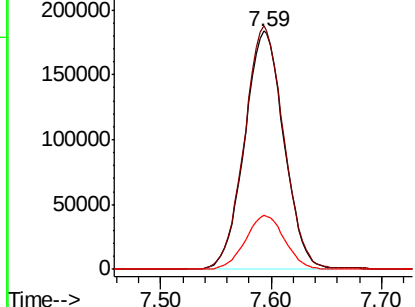
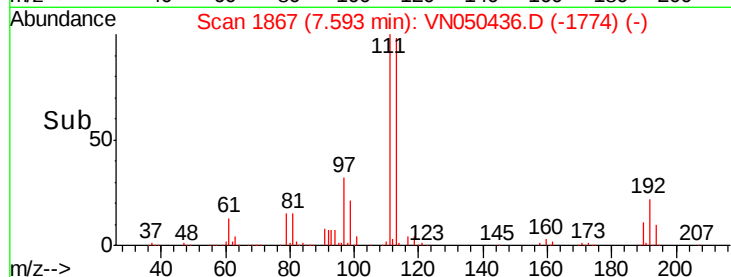
#35
 Dibromofluoromethane
 Concen: 47.89 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBSD01

Tot Ion:113 Resp: 452972
 Ion Ratio Lower Upper
 113 100
 111 102.0 80.7 121.1
 192 22.7 17.8 26.6

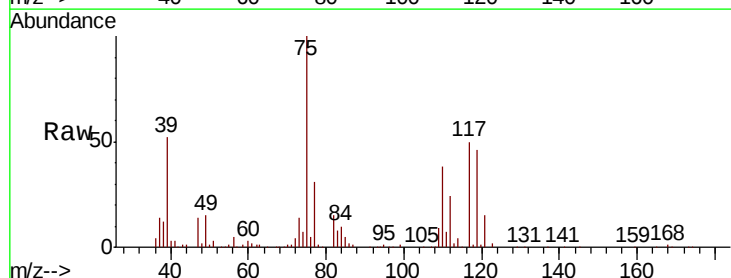


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

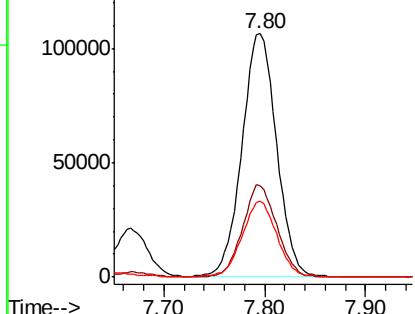
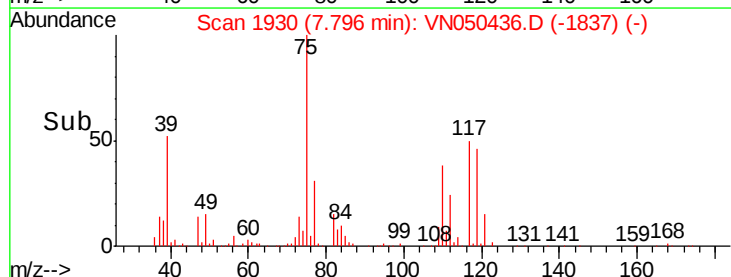


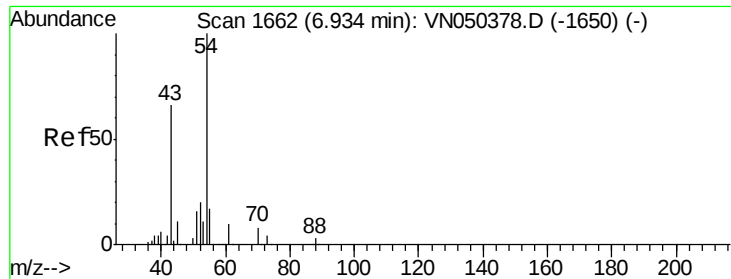
#36
 1,1-Dichloropropene
 Concen: 19.49 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Tgt Ion: 75 Resp: 252428
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.4 55.2
 77 31.9 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

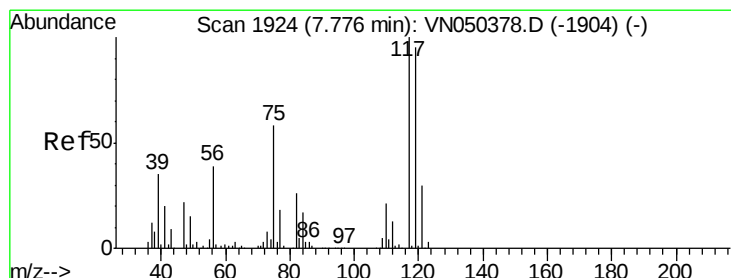
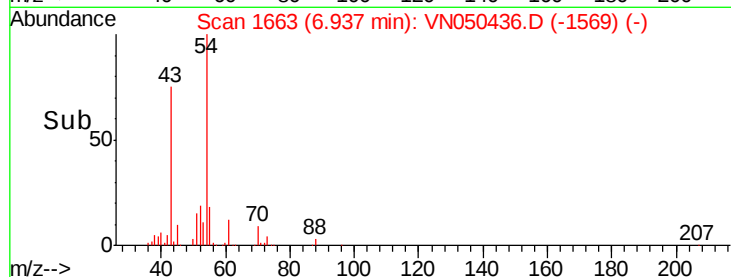
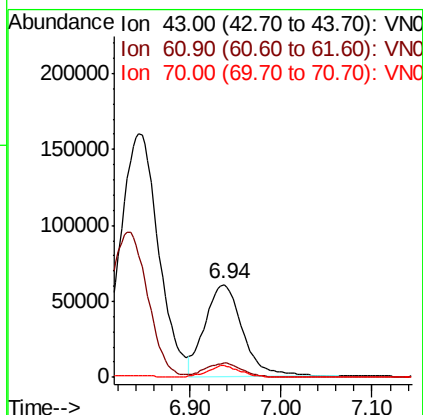
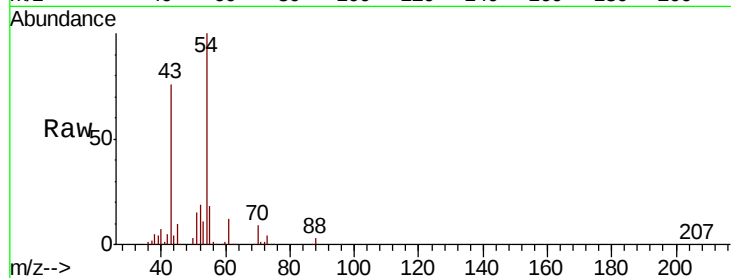




#37
Ethyl Acetate
Concen: 18.77 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

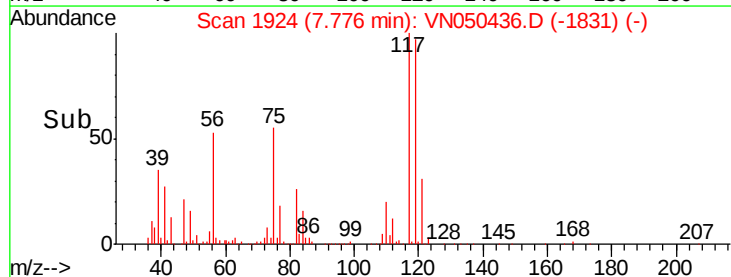
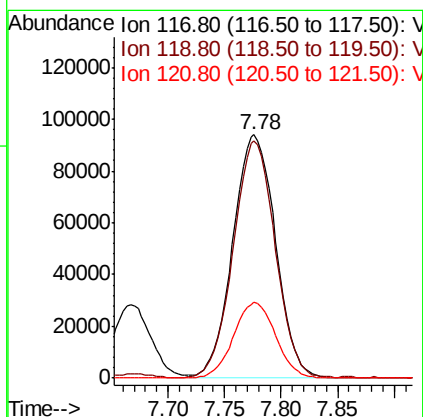
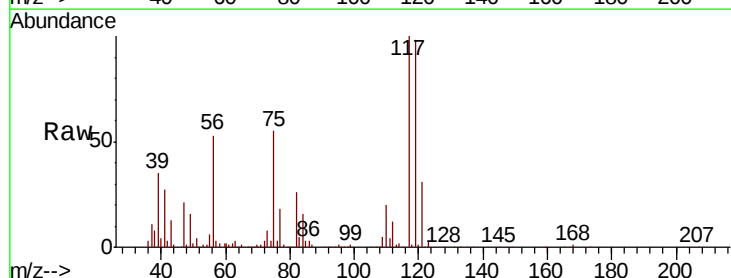
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

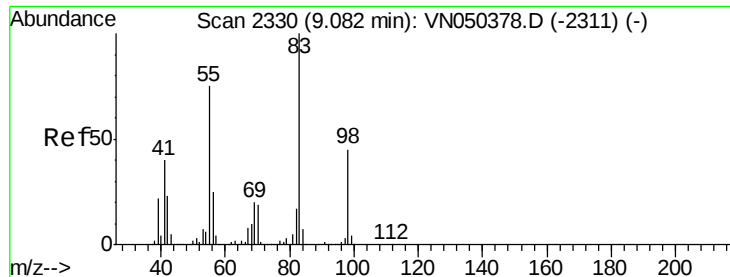
Tot Ion: 43 Resp: 175054
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.8
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.16 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 117 Resp: 245351
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.0
121 30.9 23.9 35.9

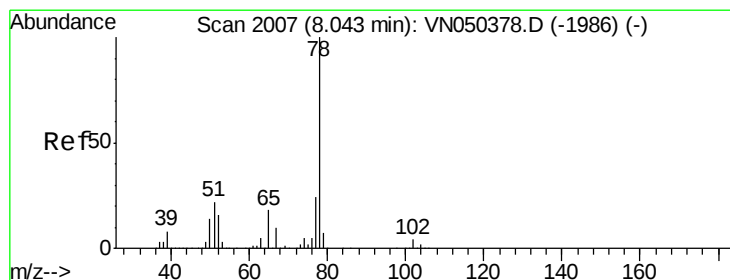
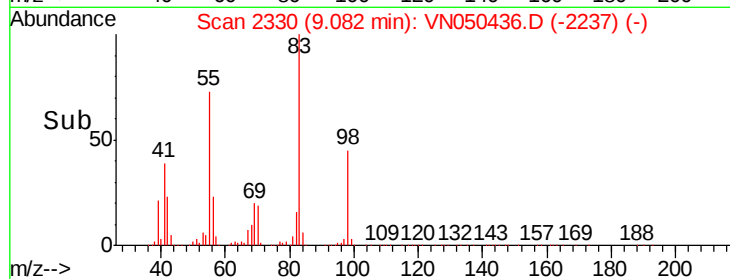
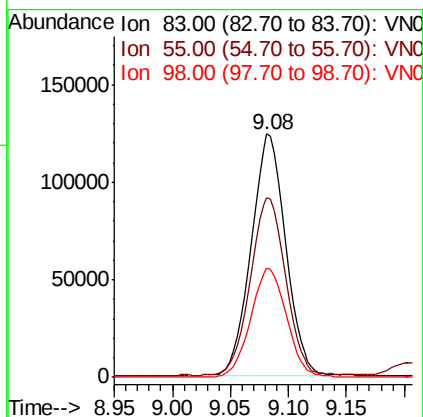
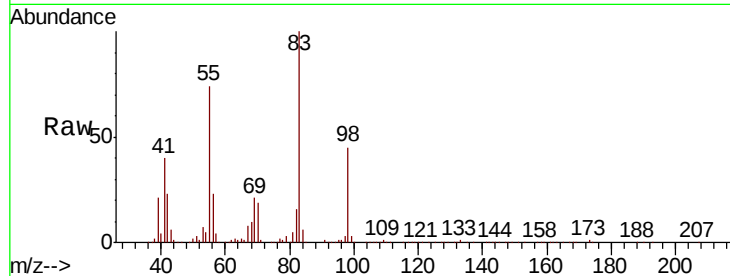




#39
Methvlcvclohexane
Concen: 18.22 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

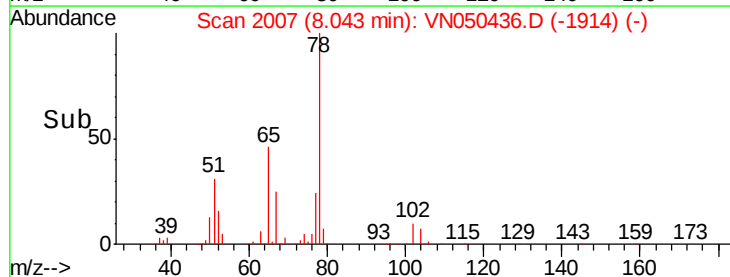
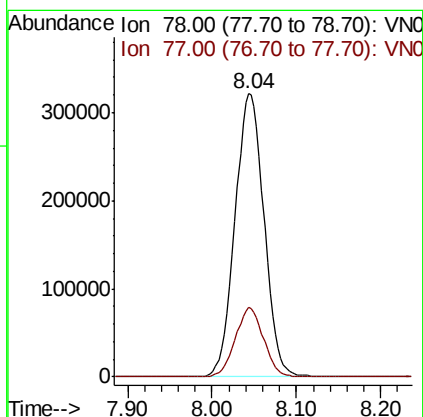
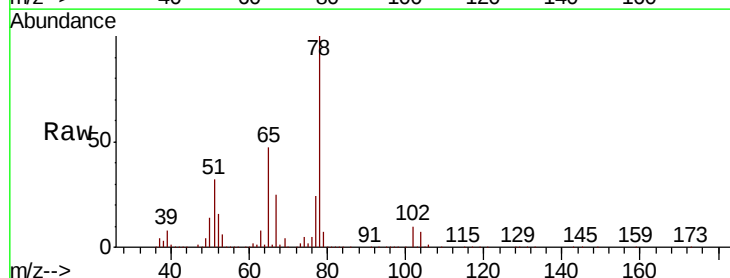
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

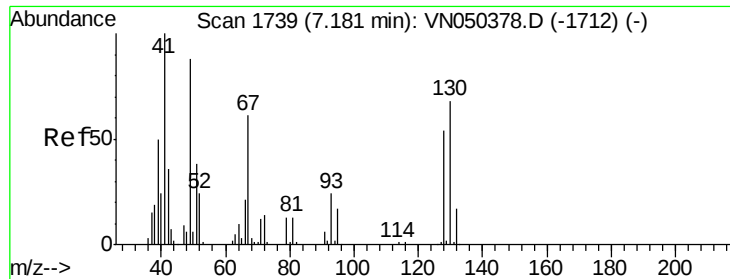
Tot Ion: 83 Resp: 257614
Ion Ratio Lower Upper
83 100
55 73.0 61.8 92.8
98 44.7 36.5 54.7



#40
Benzene
Concen: 19.37 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 78 Resp: 771217
Ion Ratio Lower Upper
78 100
77 24.3 18.7 28.1

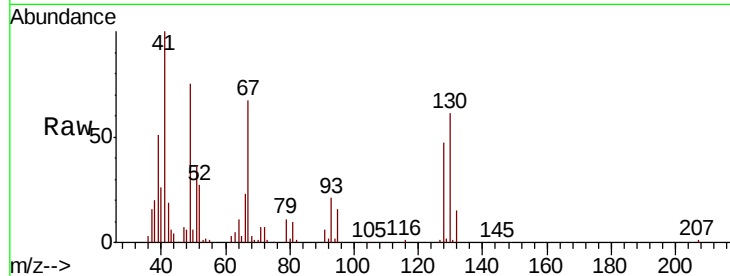




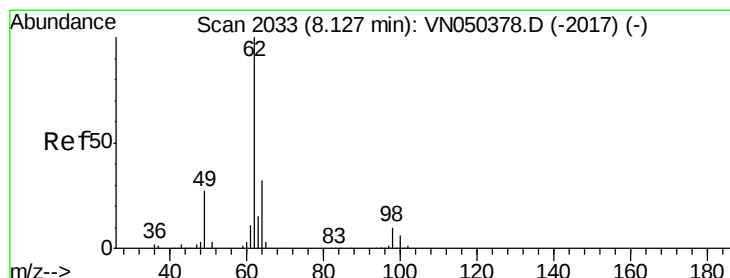
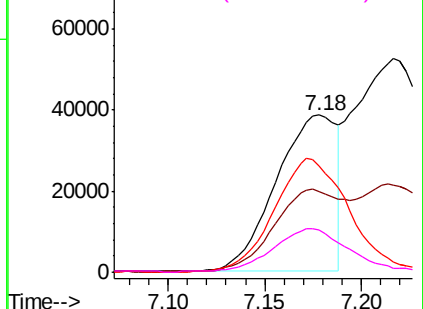
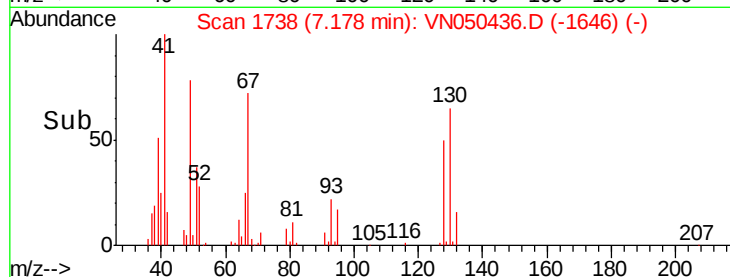
#41
Methacrylonitrile
Concen: 16.91 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

Tot Ion: 41 Resp: 83864
Ion Ratio Lower Upper
41 100
39 61.2 55.8 83.6
67 90.9 84.3 126.5
52 34.1 34.2 51.2#

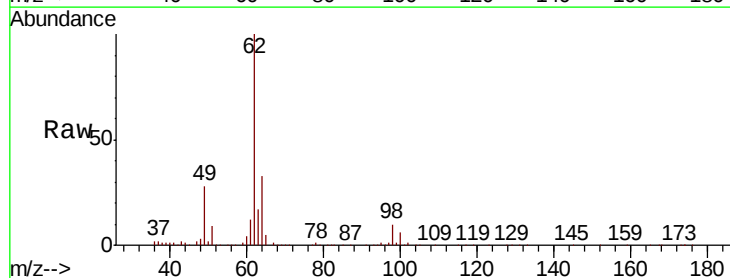


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

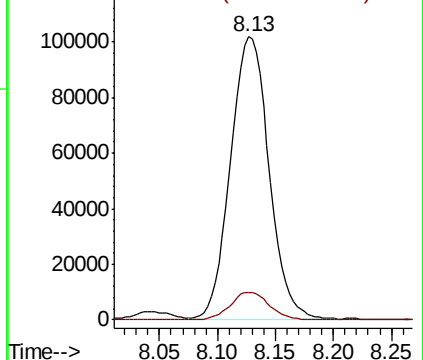
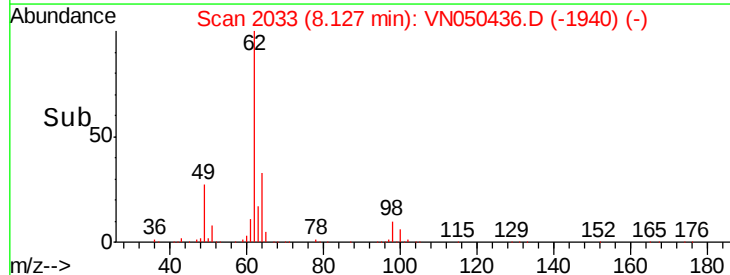


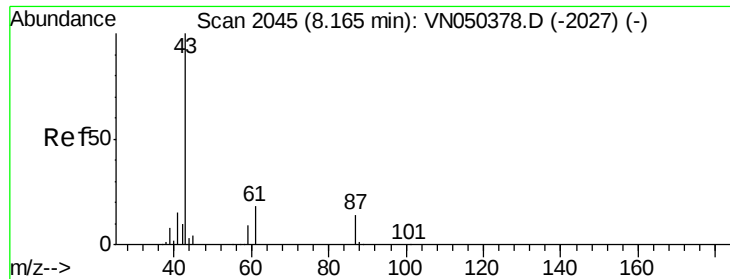
#42
1,2-Dichloroethane
Concen: 18.53 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 62 Resp: 234238
Ion Ratio Lower Upper
62 100
98 10.0 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 19.02 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

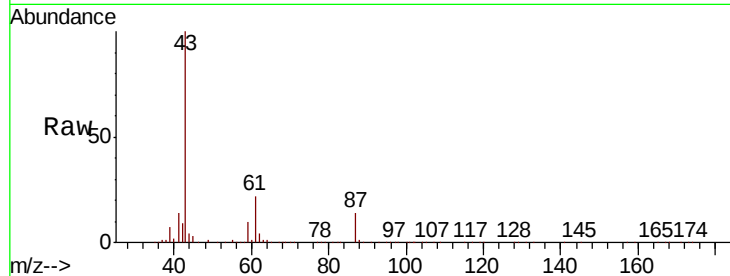
Tot Ion: 43 Resp: 306262

Ion Ratio Lower Upper

43 100

61 29.2 15.8 23.6#

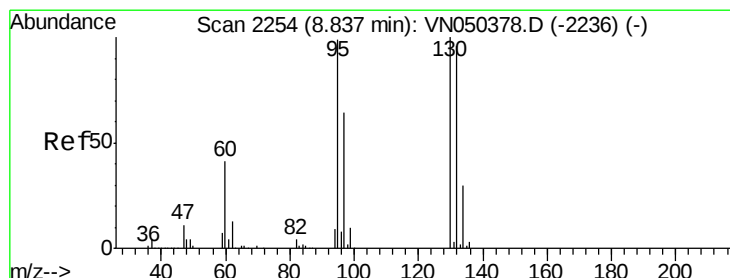
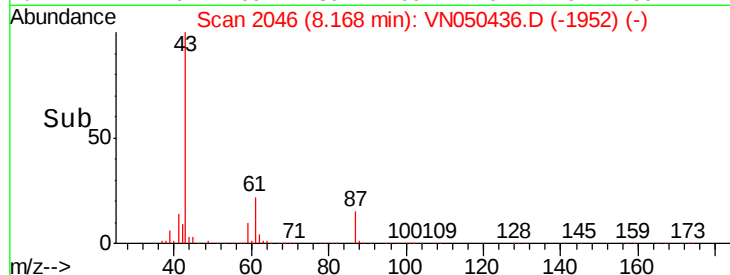
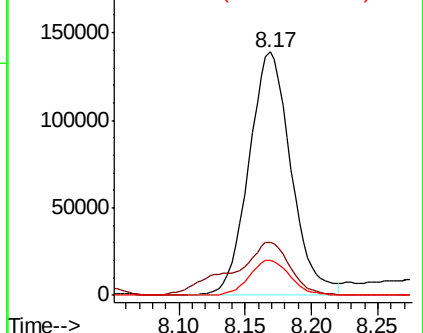
87 14.0 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.46 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050436.D

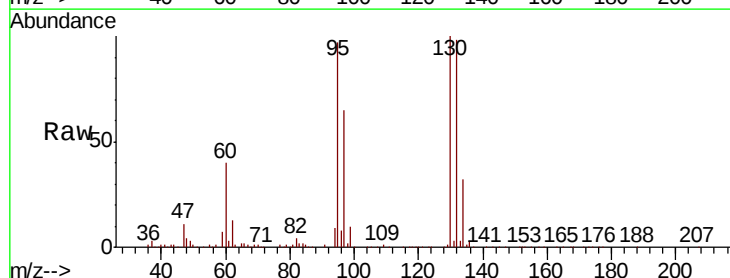
Acq: 7 Aug 2018 17:05

Tgt Ion: 130 Resp: 208150

Ion Ratio Lower Upper

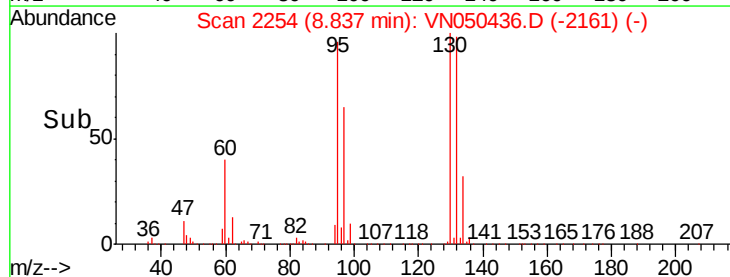
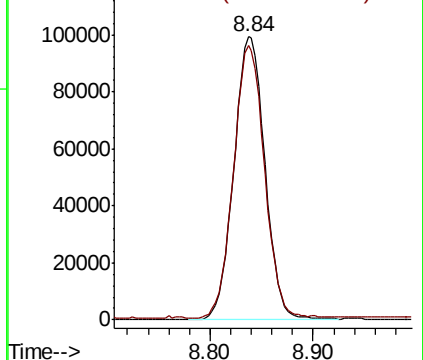
130 100

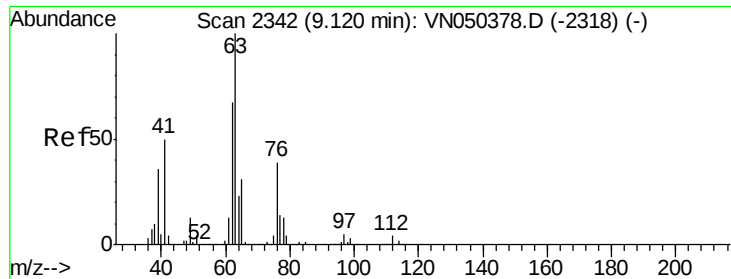
95 96.5 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

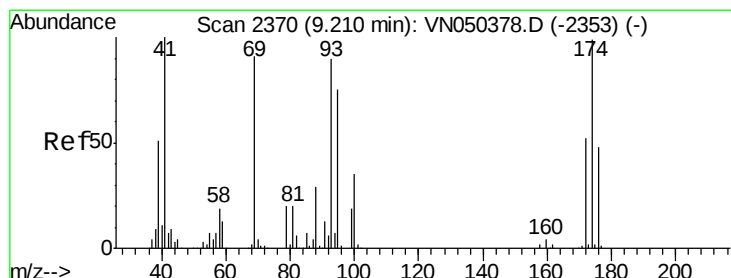
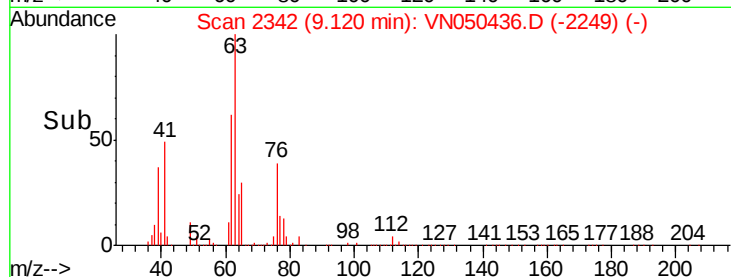
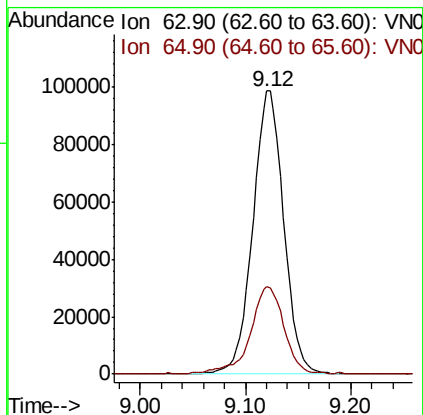
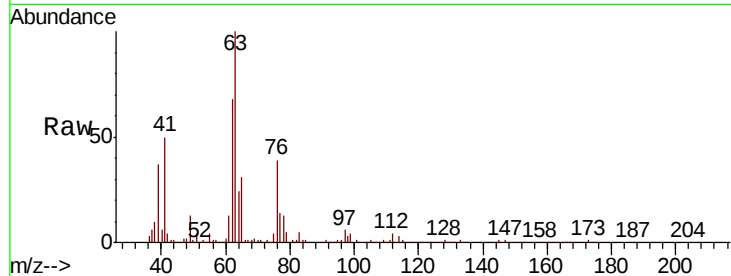




#45
 1,2-Dichloropropane
 Concen: 19.24 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

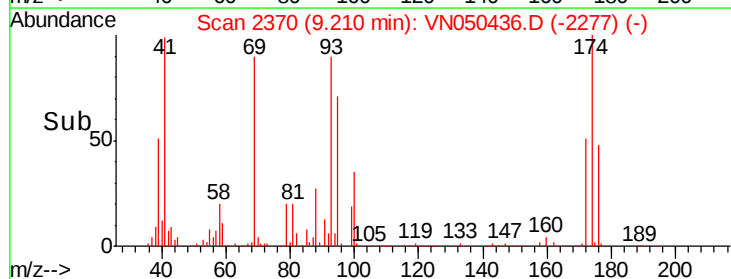
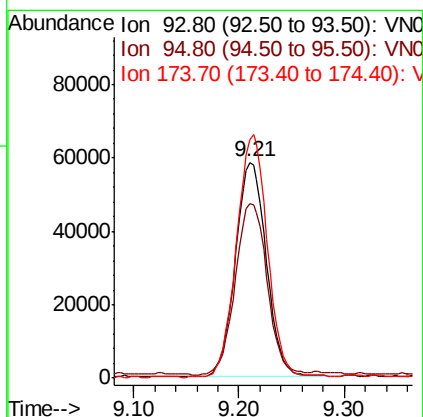
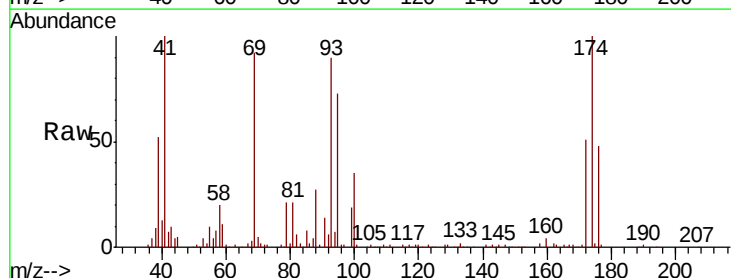
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0807MBSD01

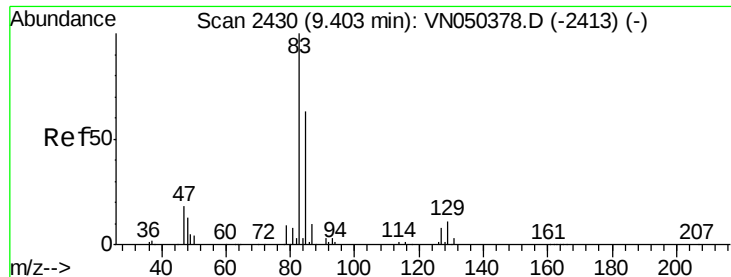
Tot Ion: 63 Resp: 201450
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.5 38.3



#46
 Dibromomethane
 Concen: 18.39 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Tgt Ion: 93 Resp: 118881
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.6 100.0
 174 112.8 87.1 130.7

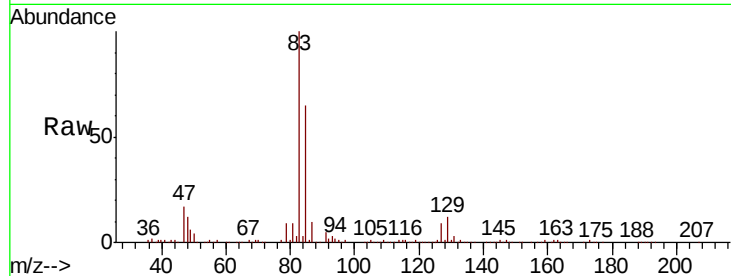




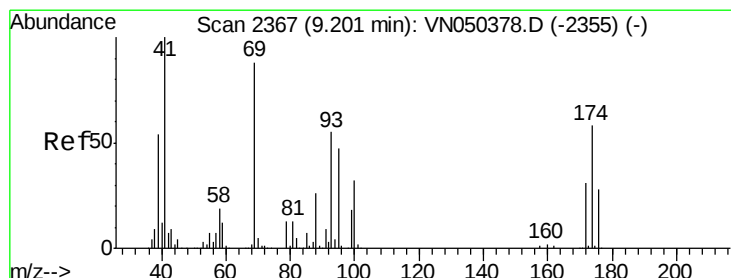
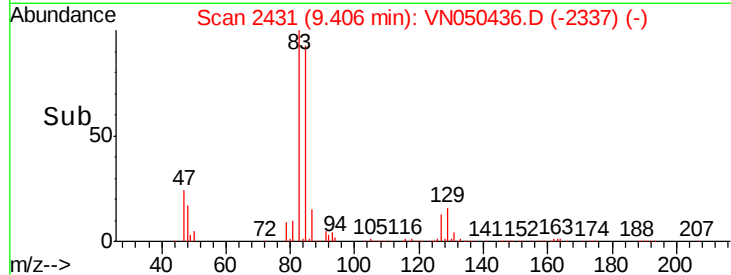
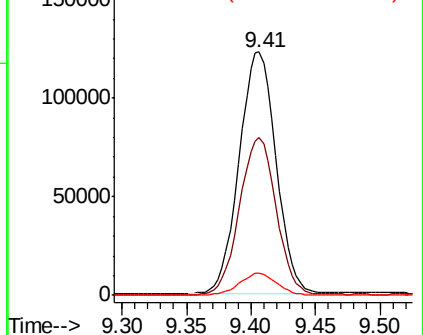
#47
Bromodichloromethane
Concen: 18.18 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

Tot Ion: 83 Resp: 243359
Ion Ratio Lower Upper
83 100
85 65.2 51.1 76.7
127 8.9 7.0 10.4

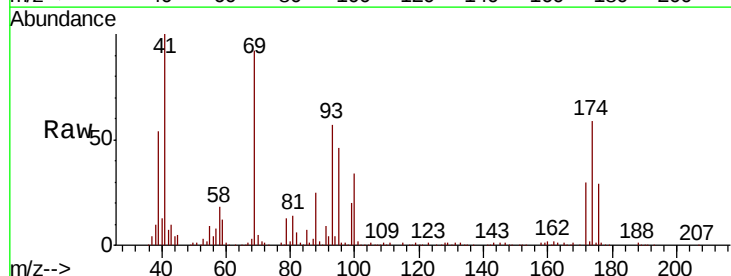


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

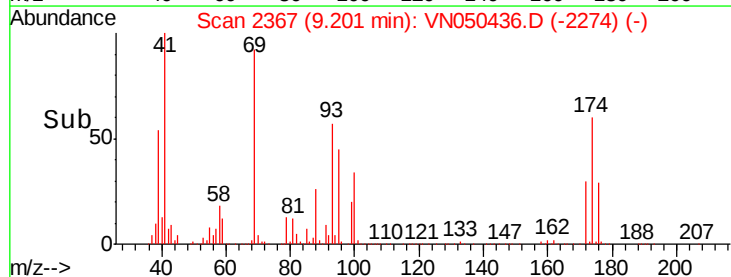
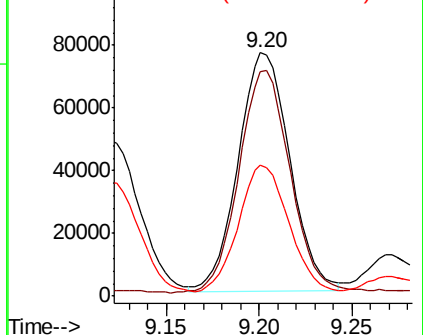


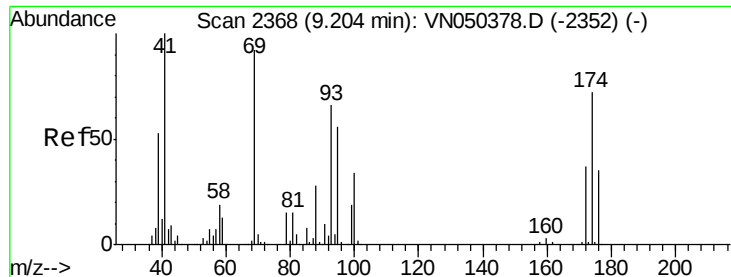
#48
Methyl methacrylate
Concen: 18.32 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 41 Resp: 147848
Ion Ratio Lower Upper
41 100
69 92.6 70.6 105.8
39 53.4 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

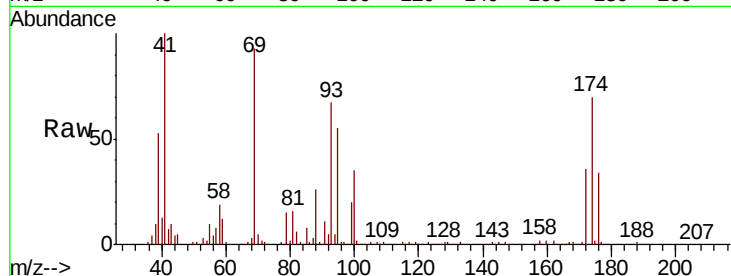




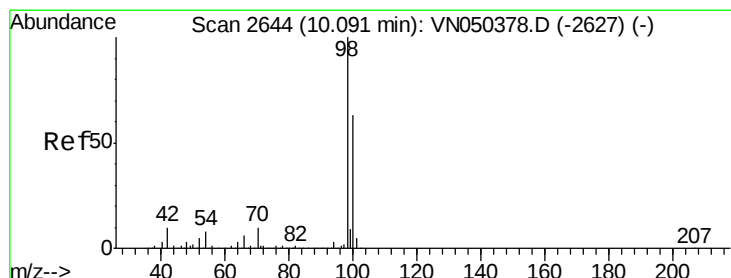
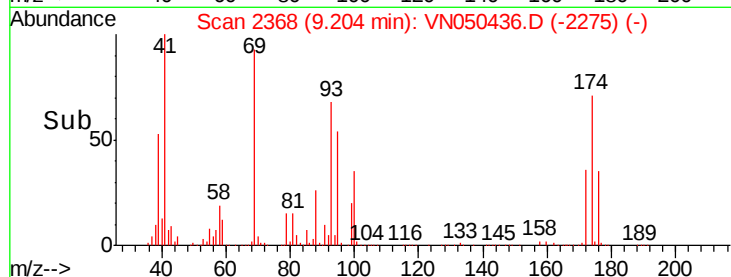
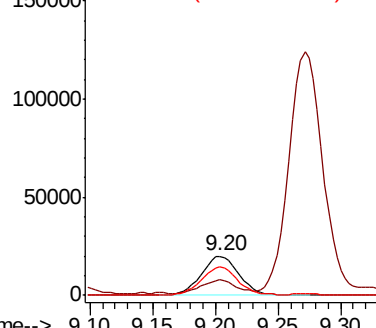
#49
1,4-Dioxane
Concen: 334.50 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

Tot Ion: 88 Resp: 41606
Ion Ratio Lower Upper
88 100
43 30.8 26.9 40.3
58 71.0 57.3 85.9

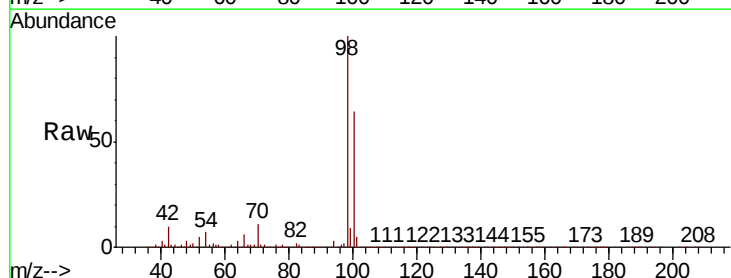


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

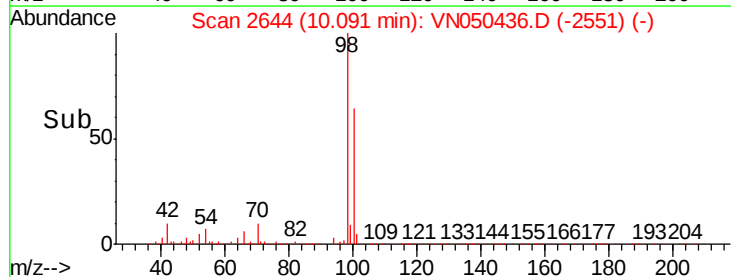
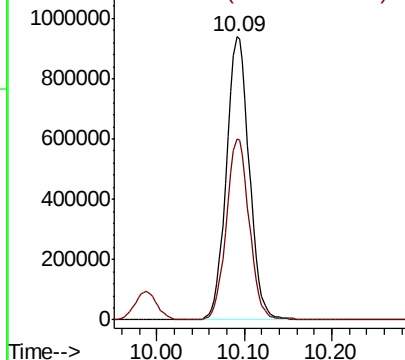


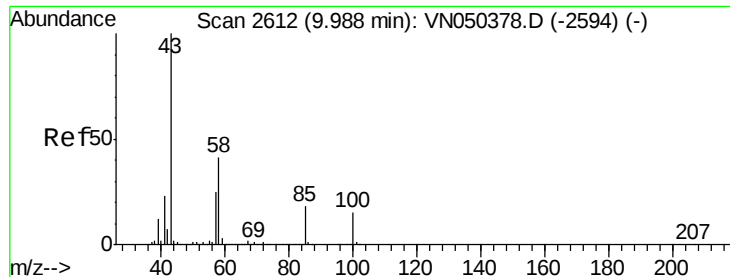
#50
Toluene-d8
Concen: 47.95 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 98 Resp: 1705159
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

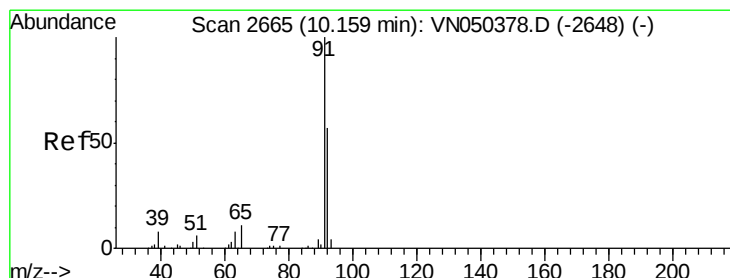
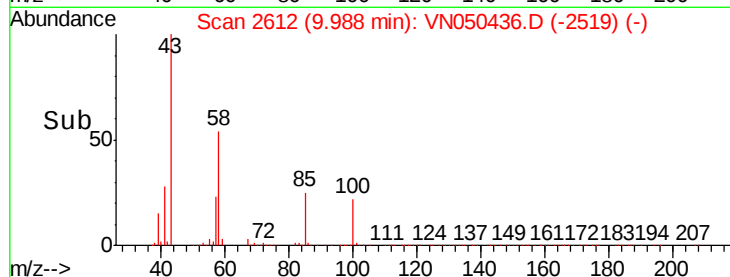
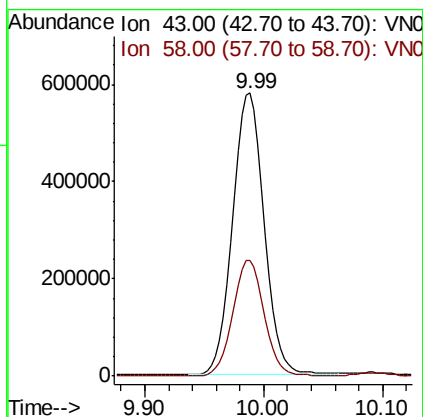
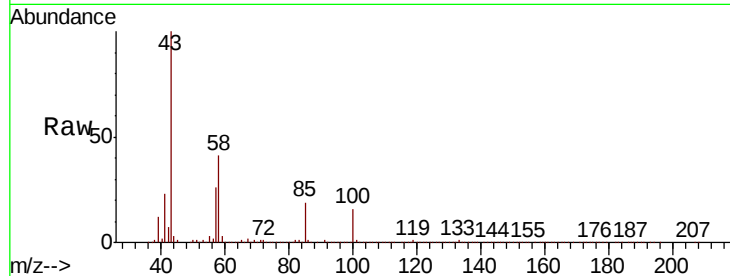




#51
4-Methyl-2-Pentanone
Concen: 91.97 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

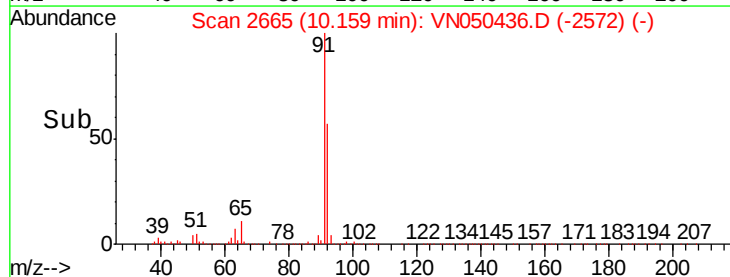
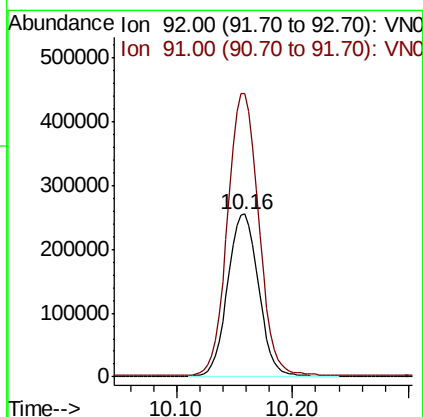
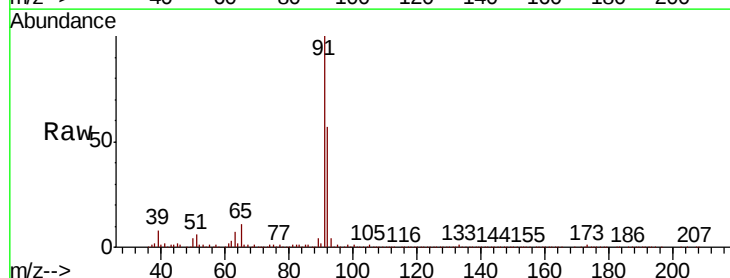
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

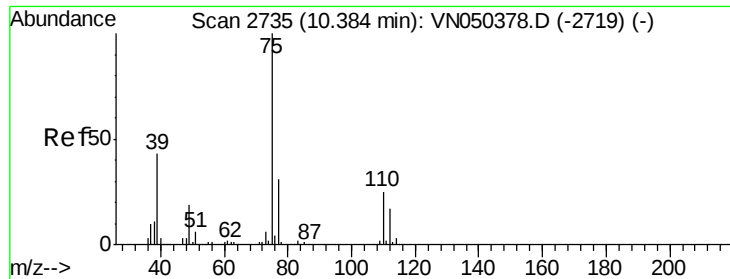
Tot Ion: 43 Resp: 1066349
Ion Ratio Lower Upper
43 100
58 40.8 31.9 47.9



#52
Toluene
Concen: 19.71 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 92 Resp: 471297
Ion Ratio Lower Upper
92 100
91 173.4 140.3 210.5

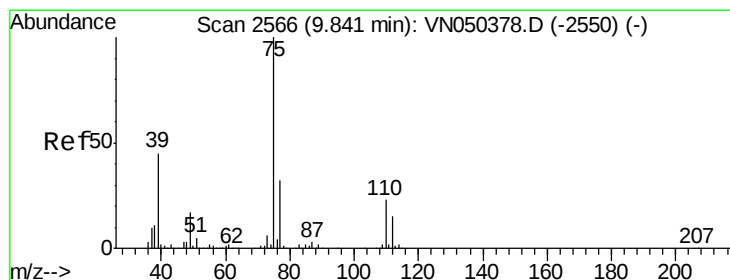
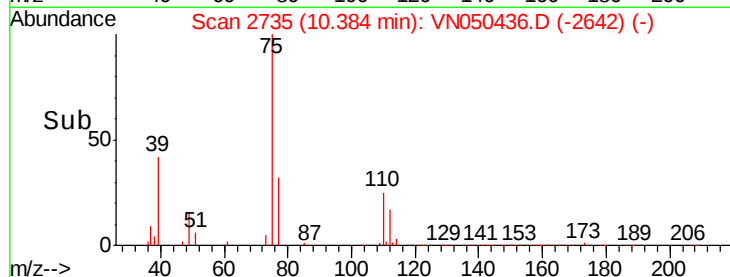
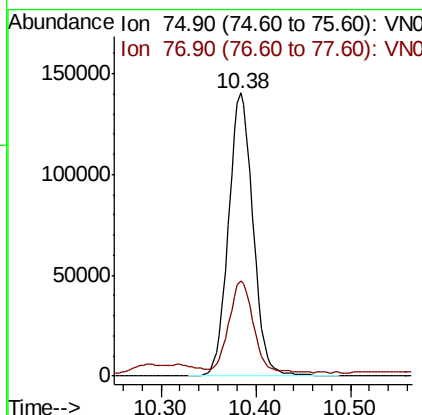
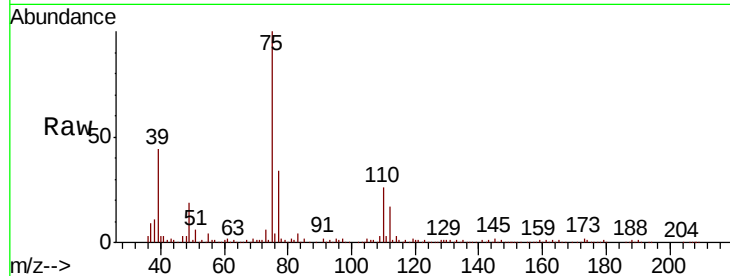




#53
 t-1,3-Dichloropropene
 Concen: 18.83 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

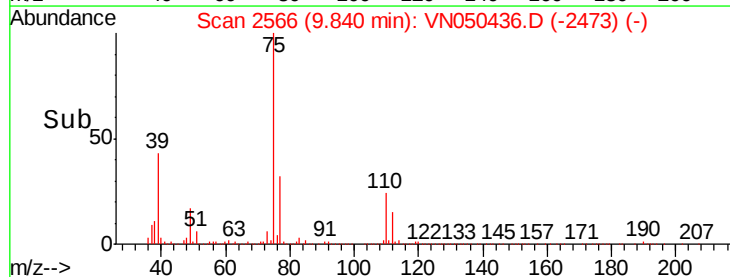
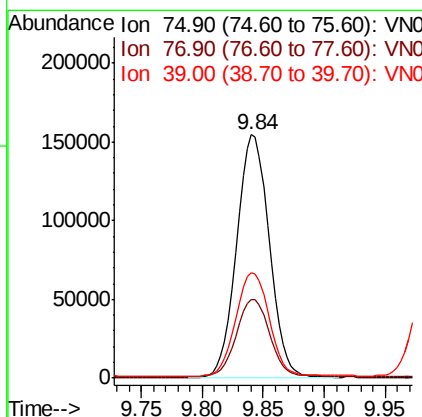
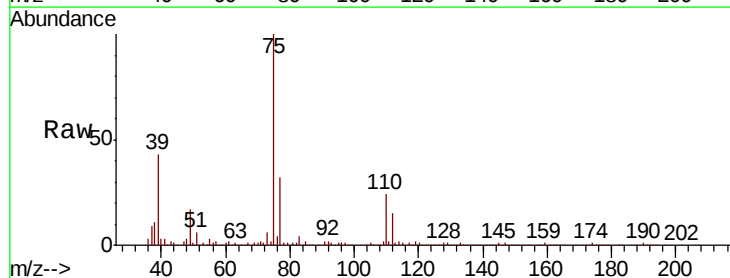
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBSD01

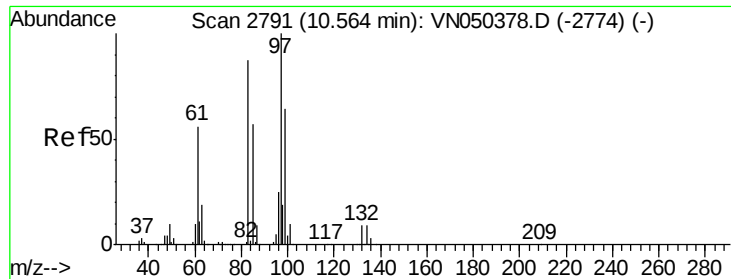
Tot Ion: 75 Resp: 253080
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 19.19 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Tgt Ion: 75 Resp: 287921
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.5 38.3
 39 42.4 36.6 55.0

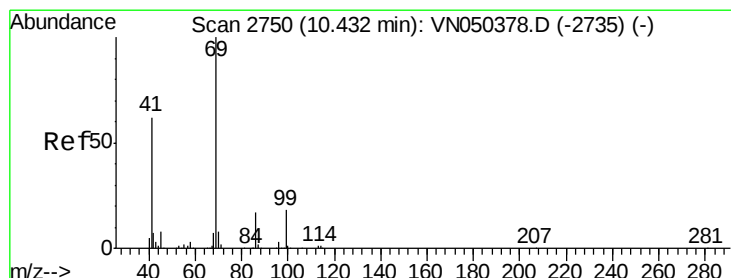
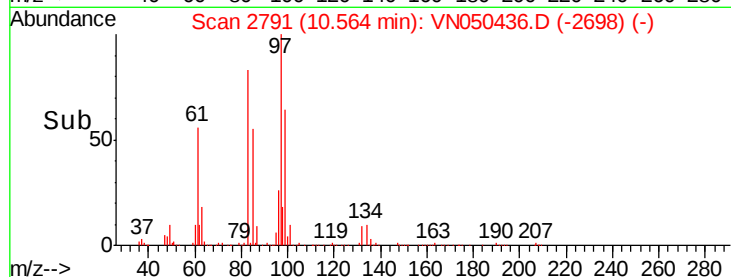
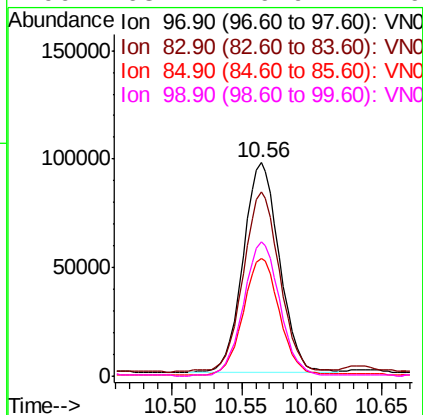
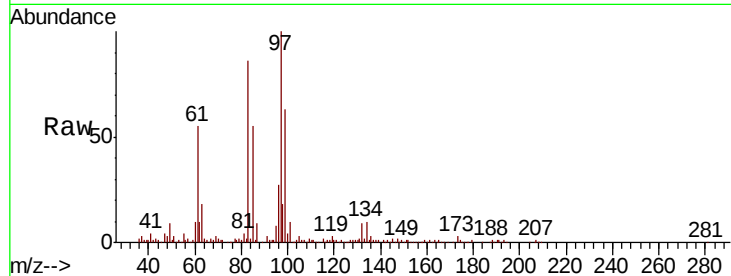




#55
 1,1,2-Trichloroethane
 Concen: 18.83 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

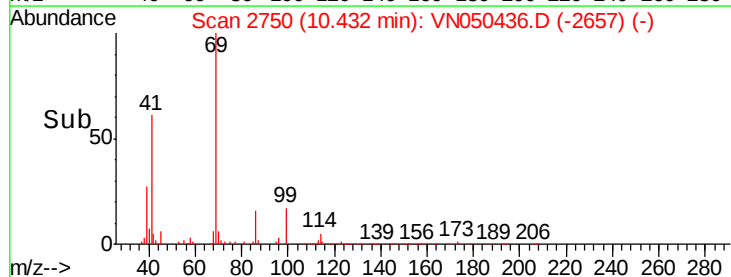
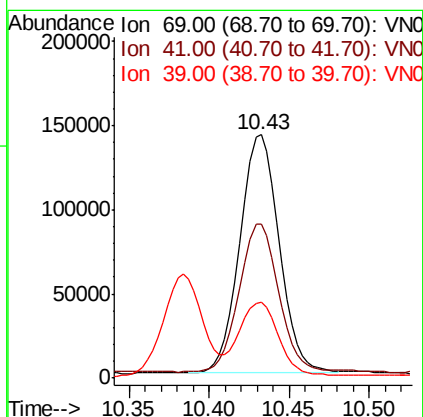
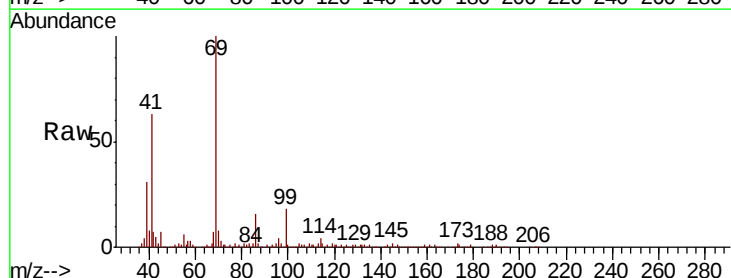
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBSD01

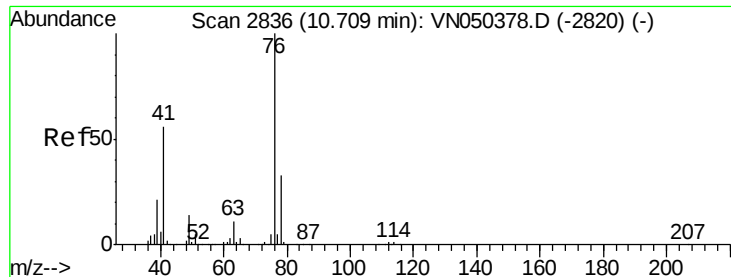
Tot Ion: 97 Resp: 175792
 Ion Ratio Lower Upper
 97 100
 83 84.9 69.2 103.8
 85 55.7 44.0 66.0
 99 63.7 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 19.09 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Tgt Ion: 69 Resp: 237829
 Ion Ratio Lower Upper
 69 100
 41 62.6 51.0 76.4
 39 30.2 26.6 40.0





#57

1,3-Dichloropropane

Concen: 19.21 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

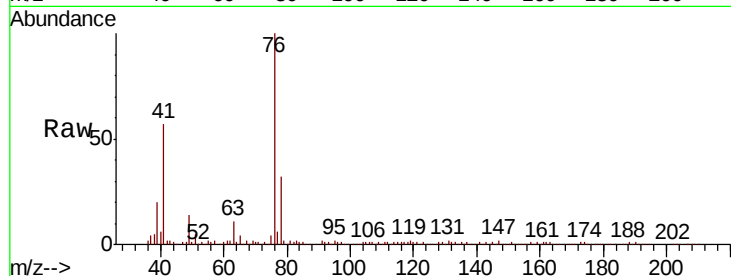
VN0807MBSD01

Tot Ion: 76 Resp: 294363

Ion Ratio Lower Upper

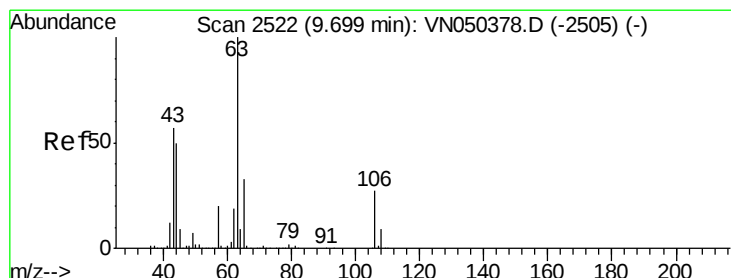
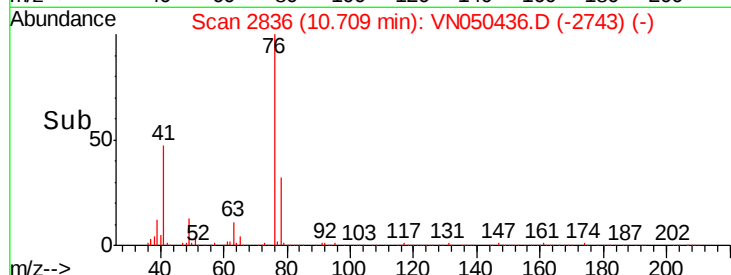
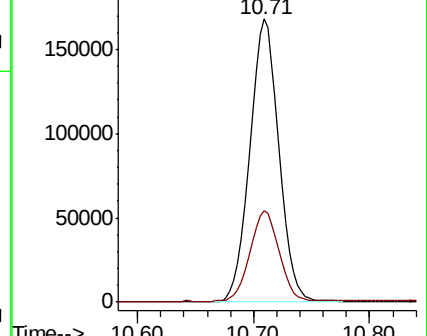
76 100

78 31.9 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.60 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050436.D

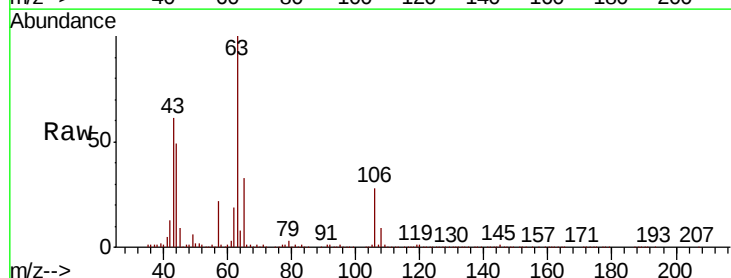
Acq: 7 Aug 2018 17:05

Tgt Ion: 63 Resp: 540789

Ion Ratio Lower Upper

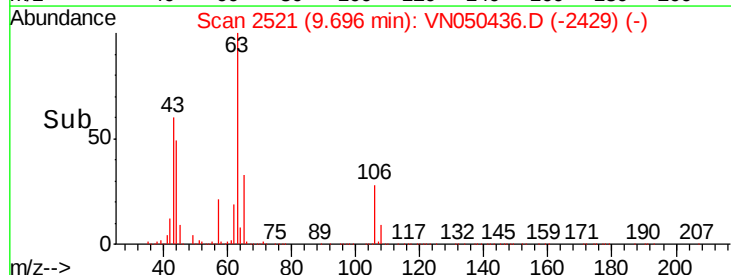
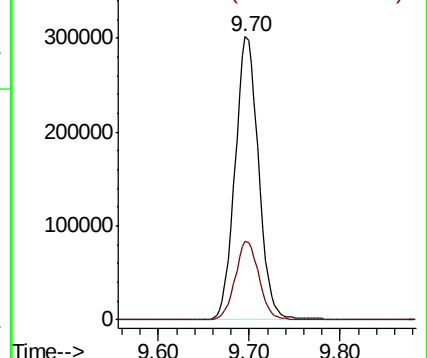
63 100

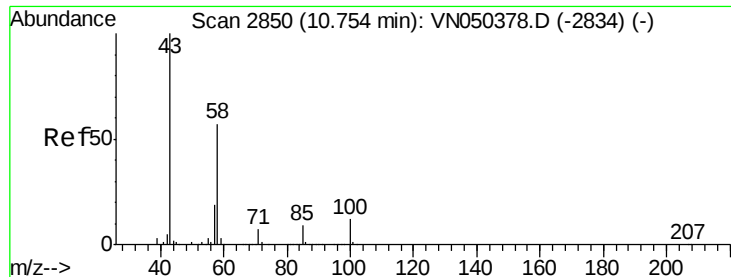
106 27.8 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

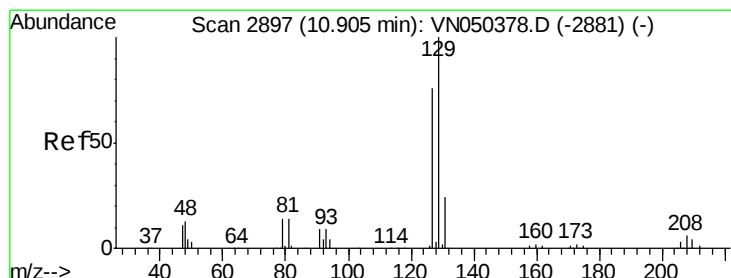
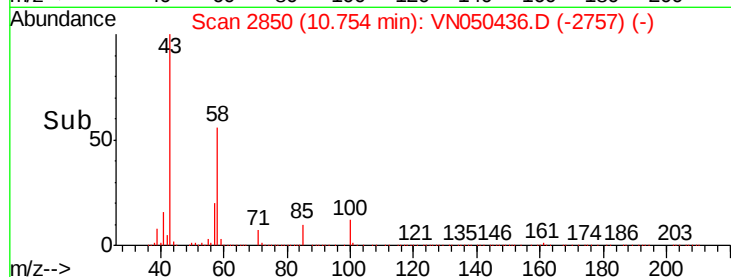
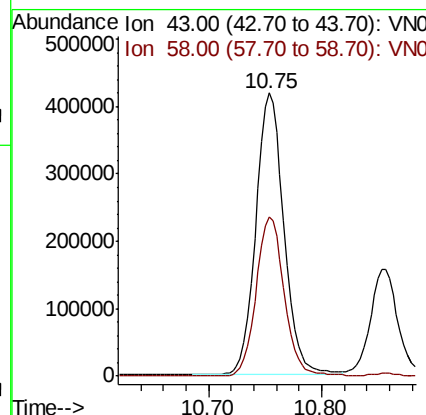
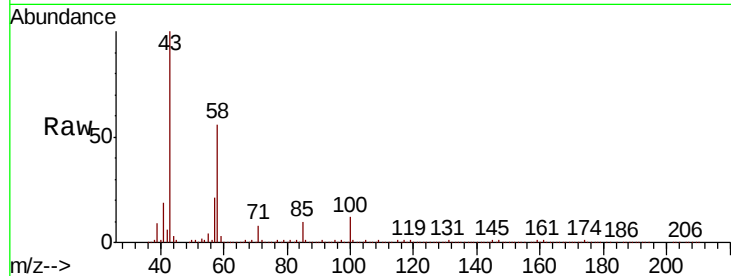




#59
2-Hexanone
Concen: 88.78 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

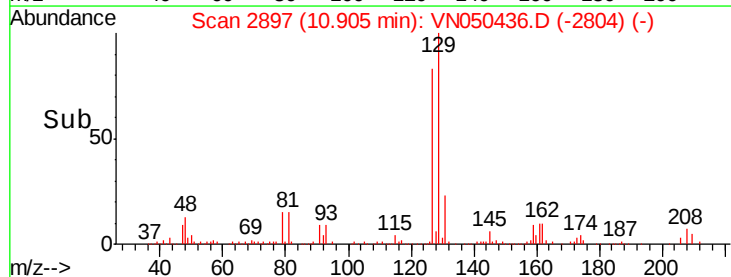
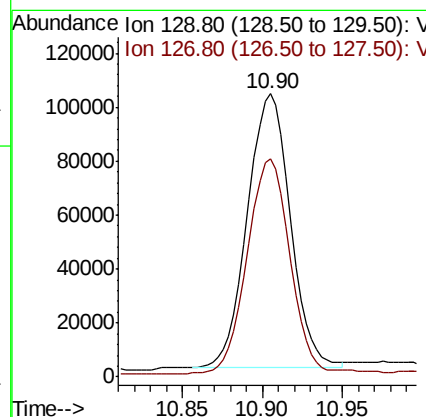
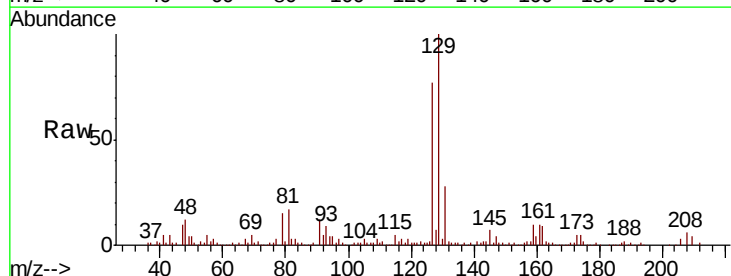
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

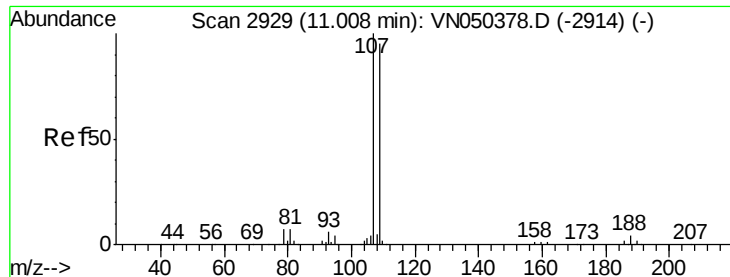
Tot Ion: 43 Resp: 718414
Ion Ratio Lower Upper
43 100
58 56.8 27.6 82.7



#60
Dibromochloromethane
Concen: 18.15 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 129 Resp: 186719
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9

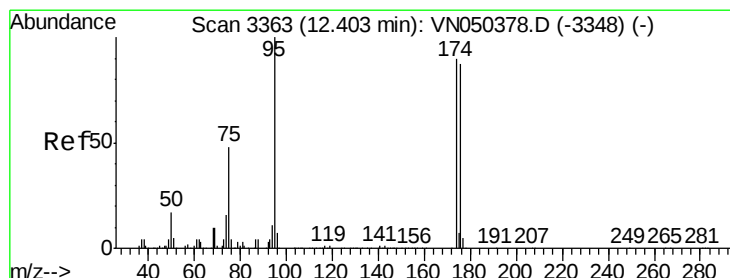
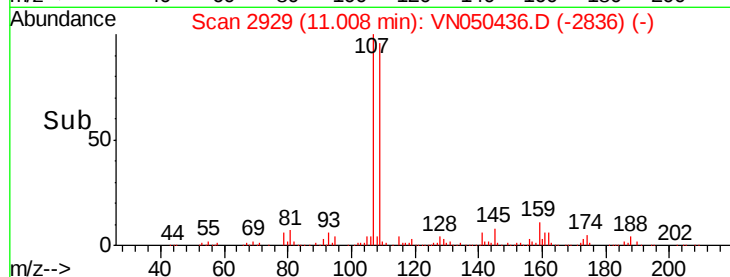
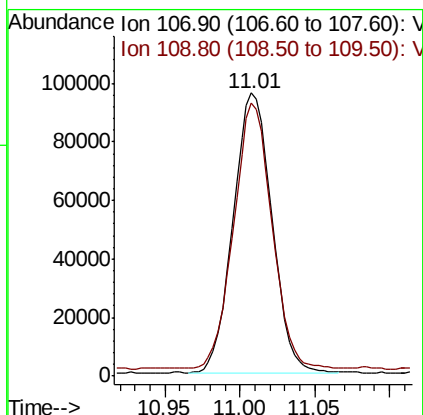
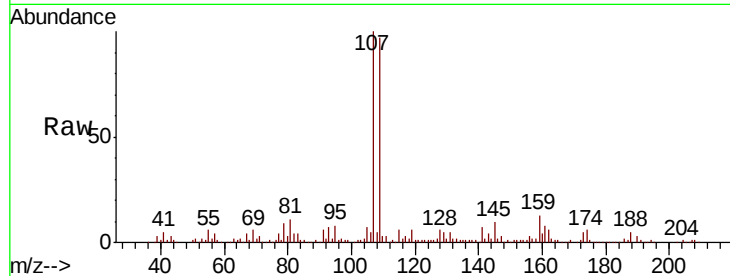




#61
 1,2-Dibromoethane
 Concen: 18.67 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

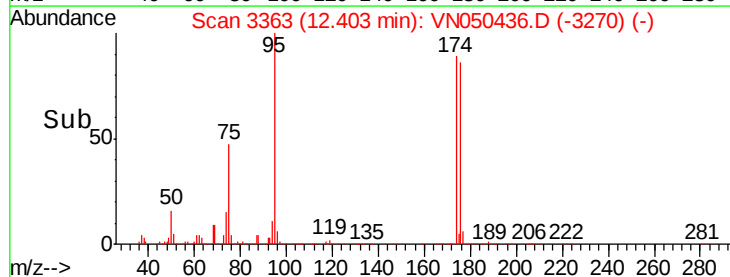
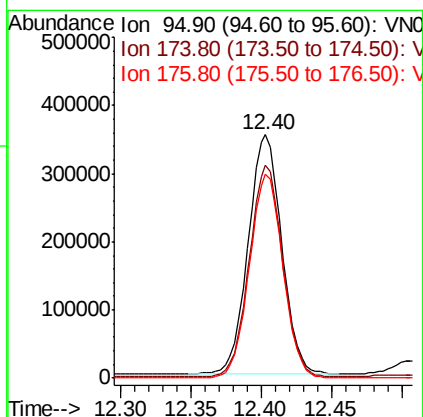
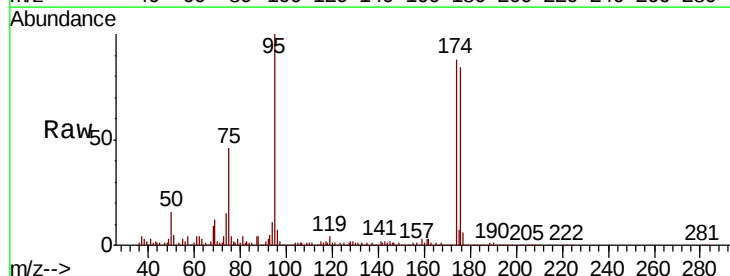
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBSD01

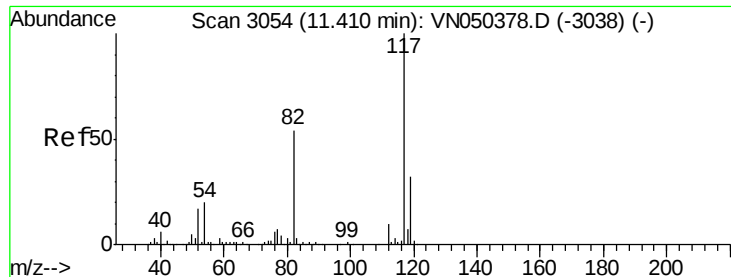
Tot Ion:107 Resp: 171844
 Ion Ratio Lower Upper
 107 100
 109 93.6 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.31 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Tgt Ion: 95 Resp: 585461
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 178.2
 176 85.2 0.0 173.4

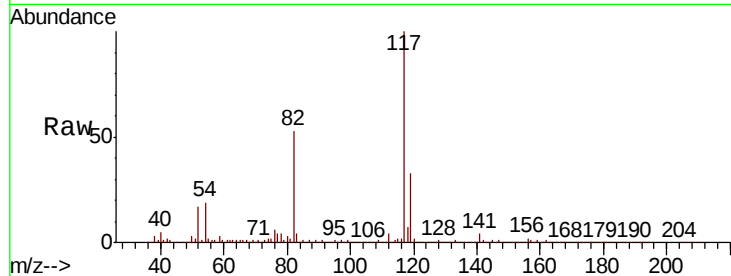




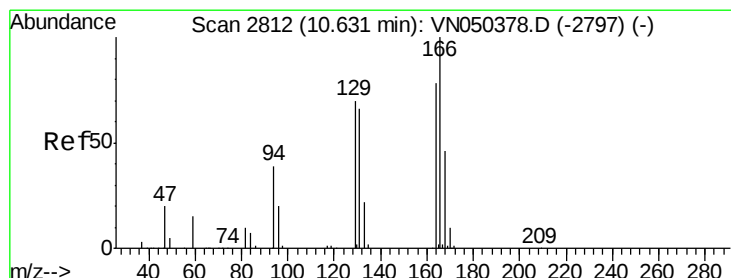
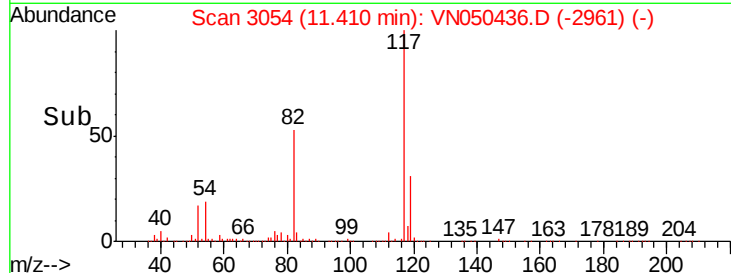
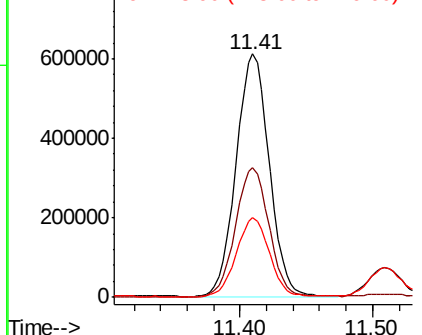
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

Tot Ion:117 Resp: 1058137
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 32.4 26.1 39.1

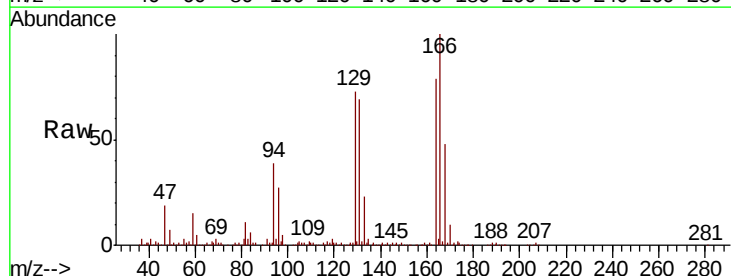


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

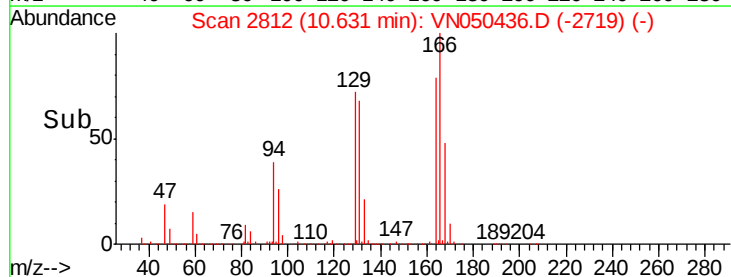
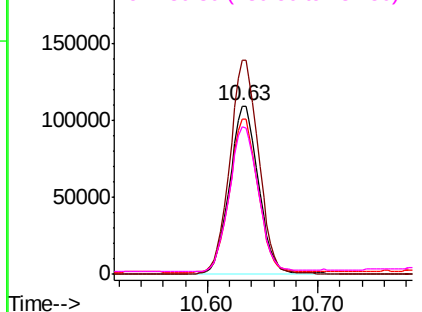


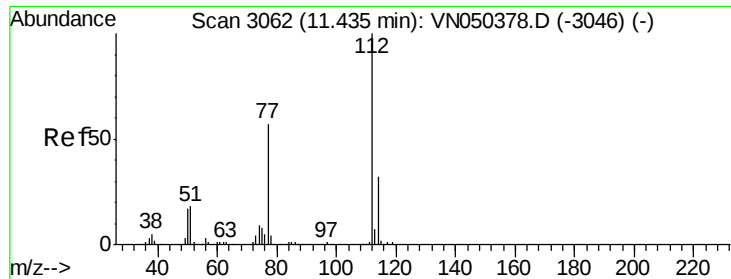
#64
Tetrachloroethene
Concen: 19.97 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion:164 Resp: 197418
Ion Ratio Lower Upper
164 100
166 126.8 102.1 153.1
129 91.3 73.2 109.8
131 86.3 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

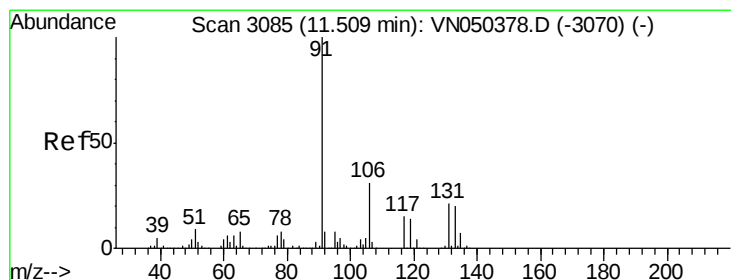
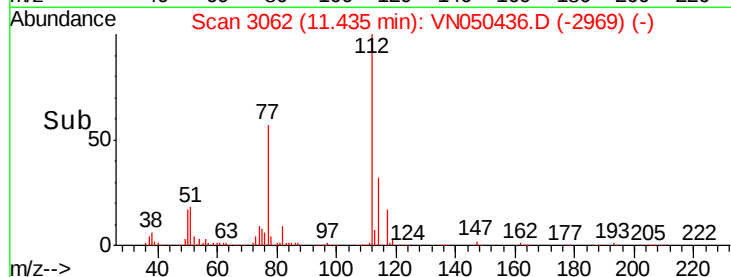
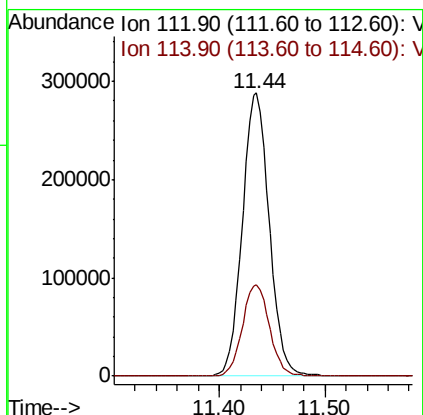
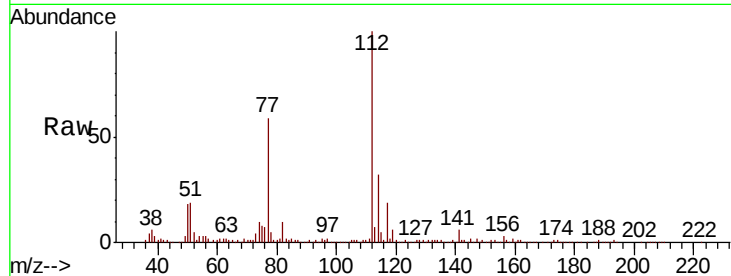




#65
Chlorobenzene
Concen: 19.13 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

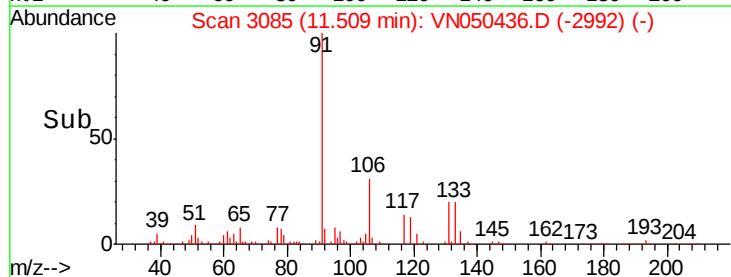
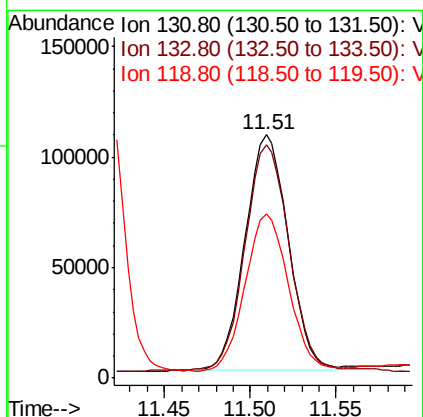
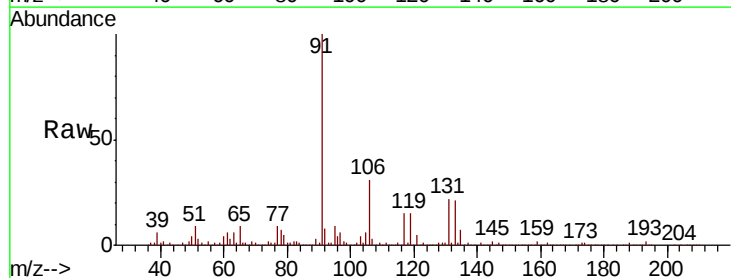
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

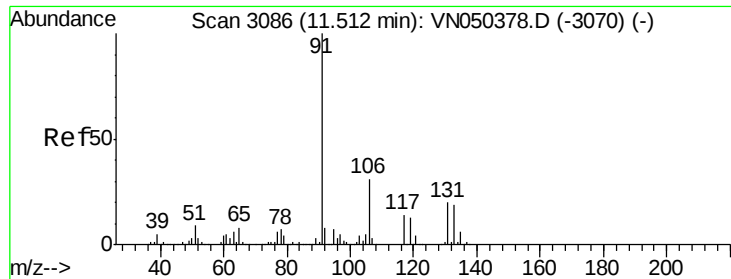
Tot Ion:112 Resp: 507412
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.21 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion:131 Resp: 185474
Ion Ratio Lower Upper
131 100
133 96.6 47.3 141.9
119 66.8 32.9 98.7





#67

Ethyl Benzene

Concen: 21.00 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampled :

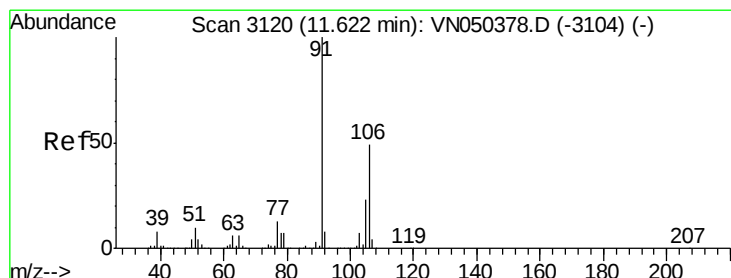
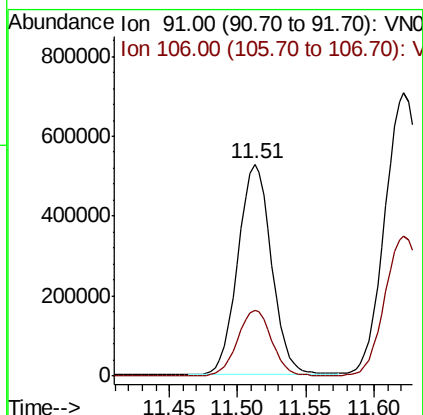
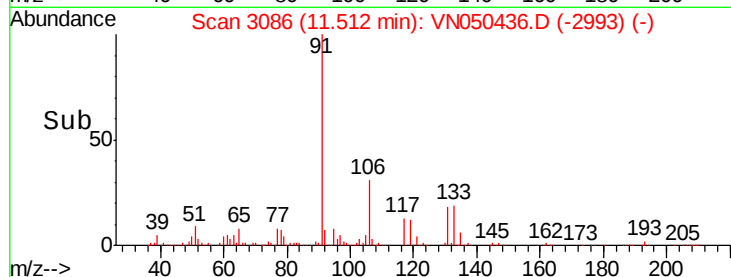
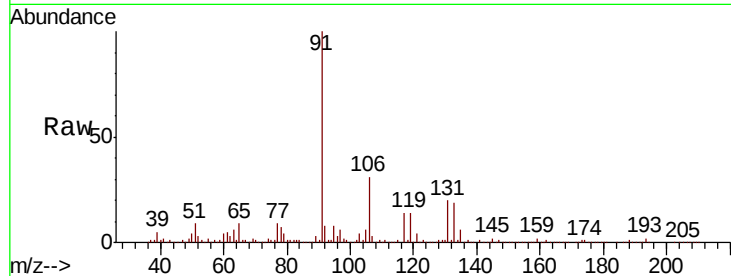
VN0807MBSD01

Tot Ion: 91 Resp: 900467

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



#68

m/p-Xylenes

Concen: 42.17 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050436.D

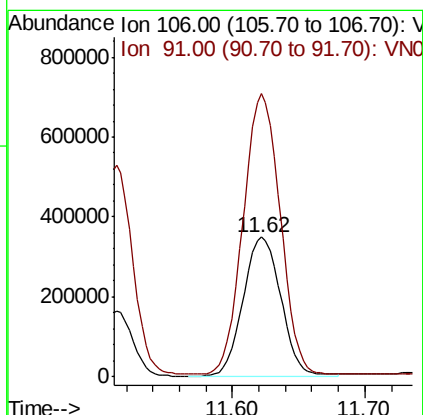
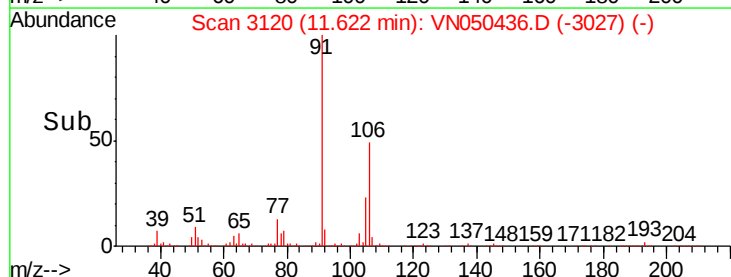
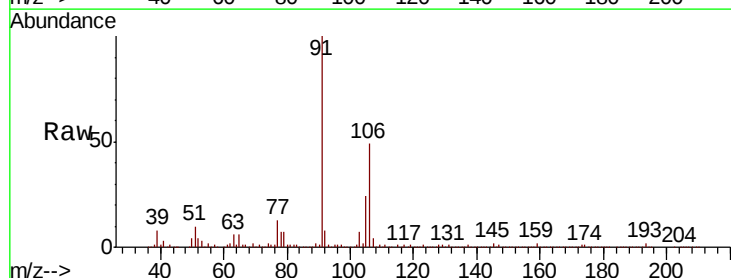
Acq: 7 Aug 2018 17:05

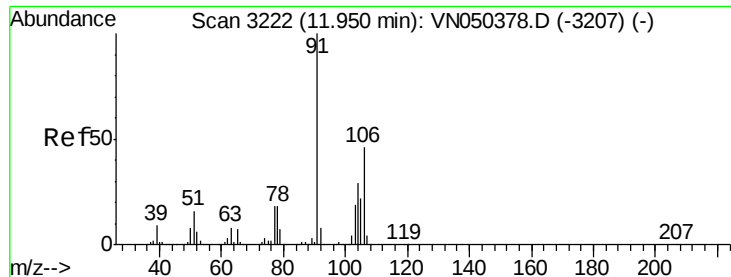
Tgt Ion:106 Resp: 688389

Ion Ratio Lower Upper

106 100

91 198.1 162.2 243.2

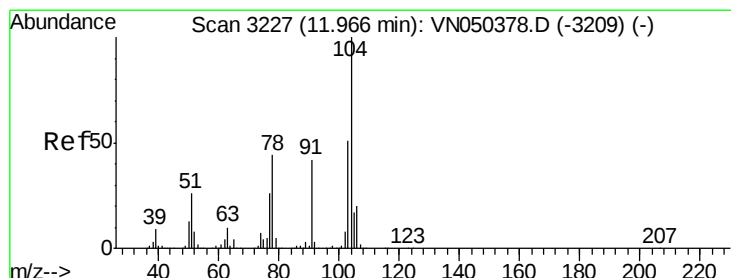
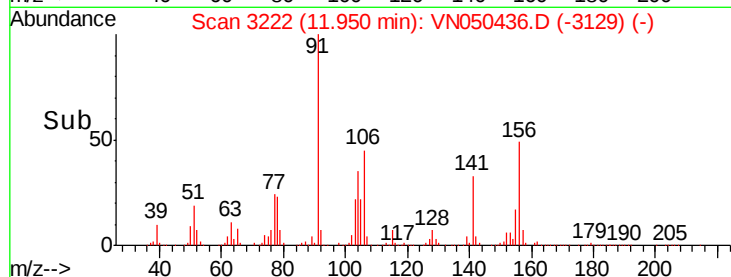
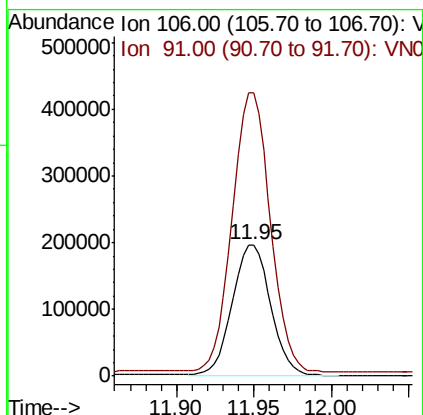
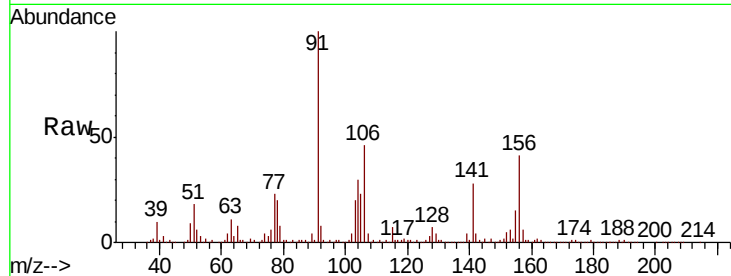




#69
o-Xylene
Concen: 21.32 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

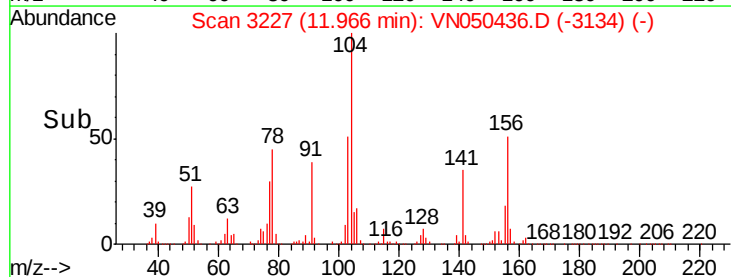
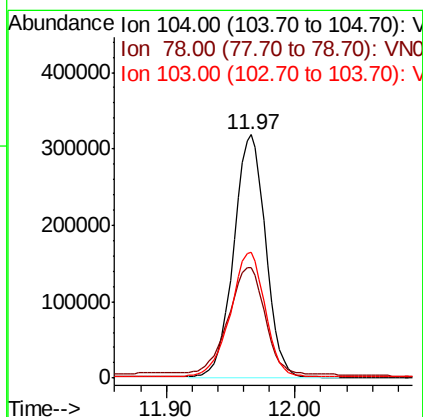
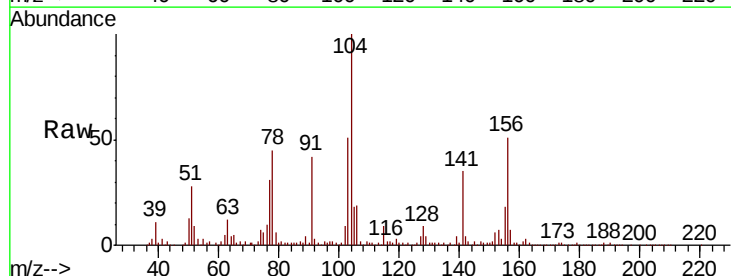
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

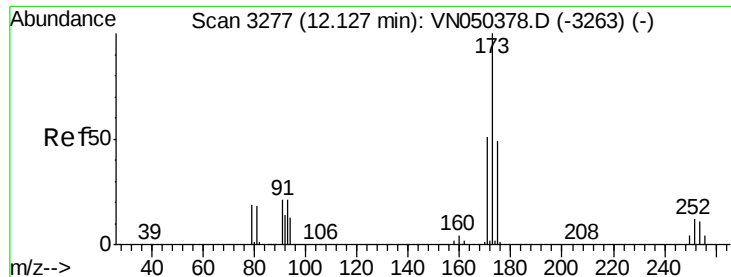
Tot Ion:106 Resp: 335252
Ion Ratio Lower Upper
106 100
91 213.0 107.7 323.1



#70
Styrene
Concen: 21.30 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion:104 Resp: 544595
Ion Ratio Lower Upper
104 100
78 50.7 39.3 58.9
103 55.6 45.0 67.6





#71

Bromoform

Concen: 19.15 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

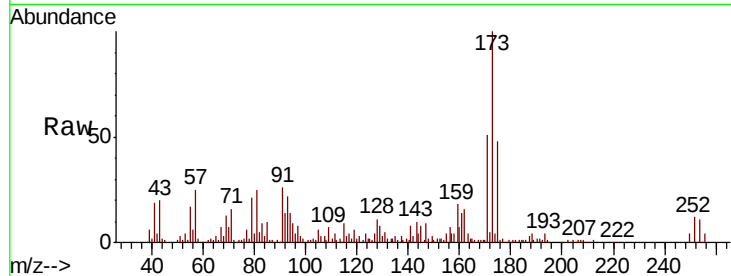
Tot Ion:173 Resp: 135160

Ion Ratio Lower Upper

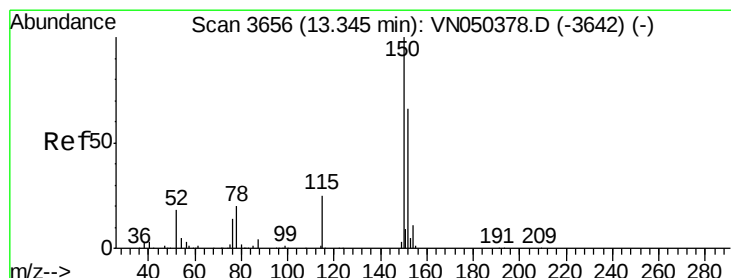
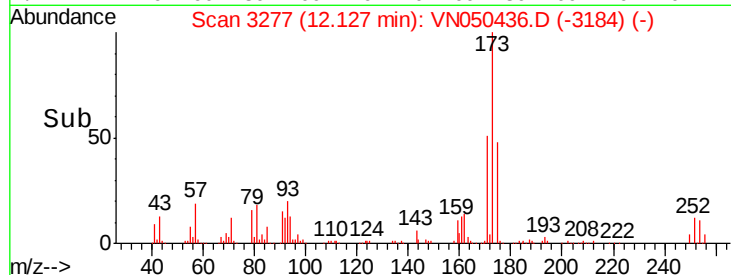
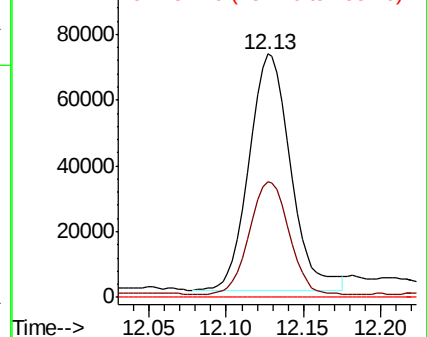
173 100

175 45.9 24.1 72.2

254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

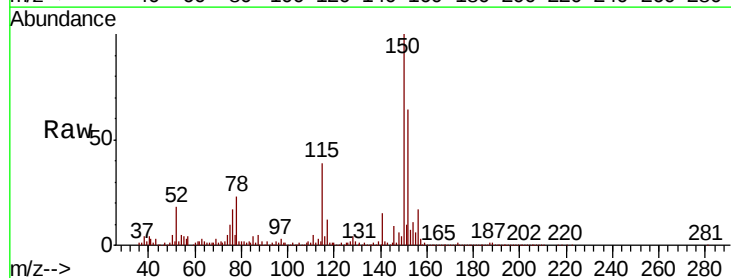
Tgt Ion:152 Resp: 574789

Ion Ratio Lower Upper

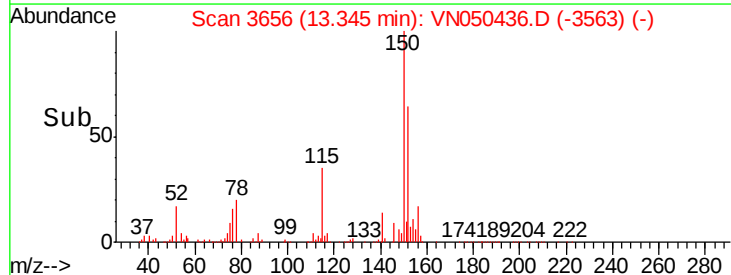
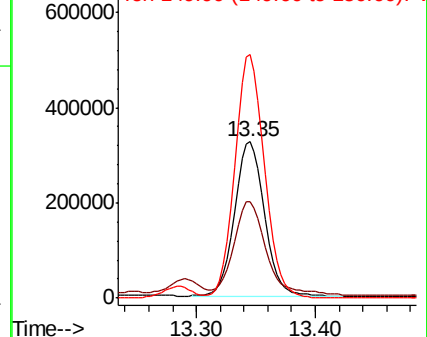
152 100

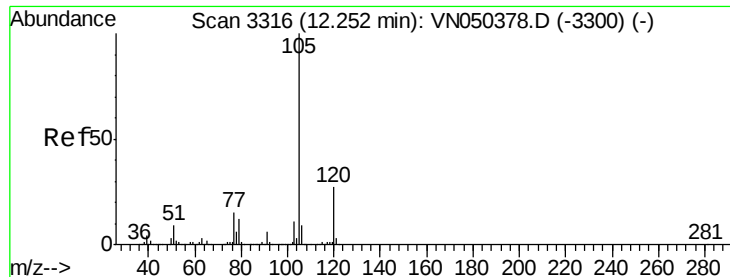
115 65.1 27.8 83.3

150 152.7 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.96 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

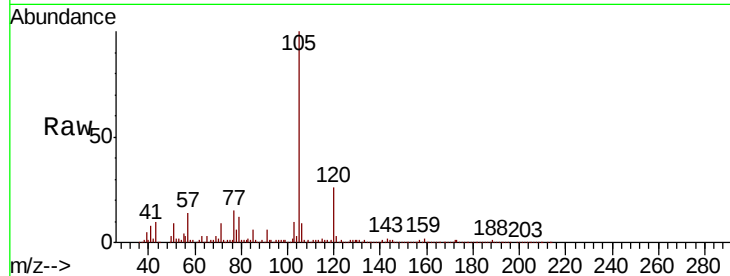
VN0807MBSD01

Tot Ion:105 Resp: 904170

Ion Ratio Lower Upper

105 100

120 25.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

500000

400000

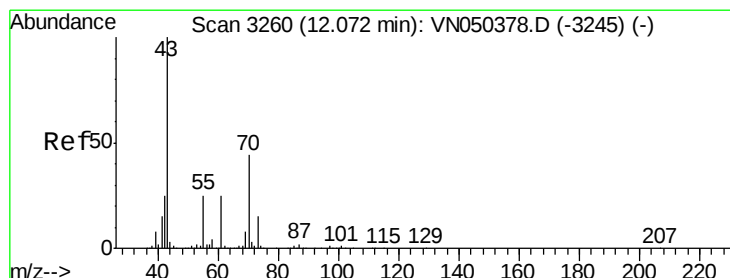
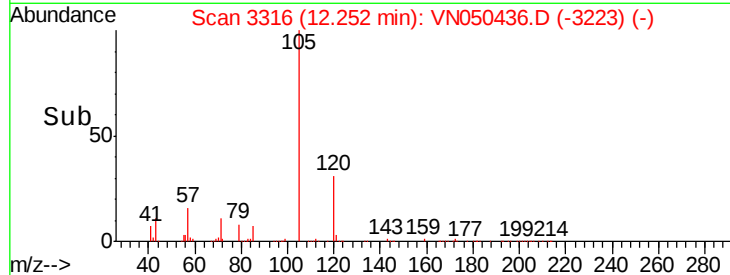
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.84 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Tgt Ion: 43 Resp: 277481

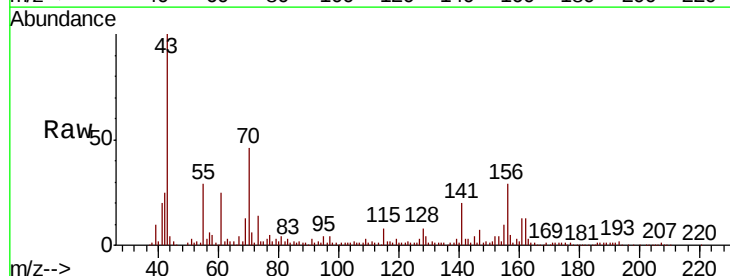
Ion Ratio Lower Upper

43 100

70 43.1 34.4 51.6

55 27.2 20.8 31.2

61 24.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

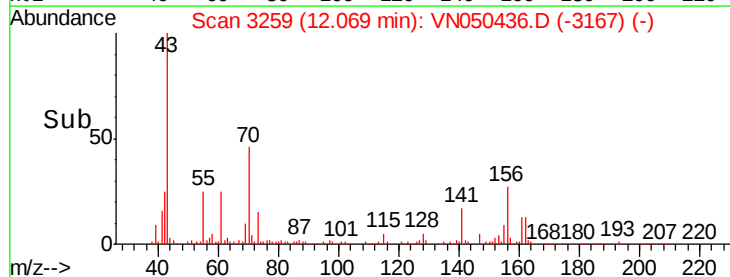
150000

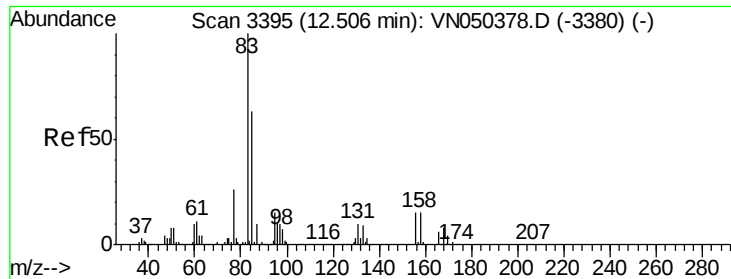
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.20 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampled :

VN0807MBSD01

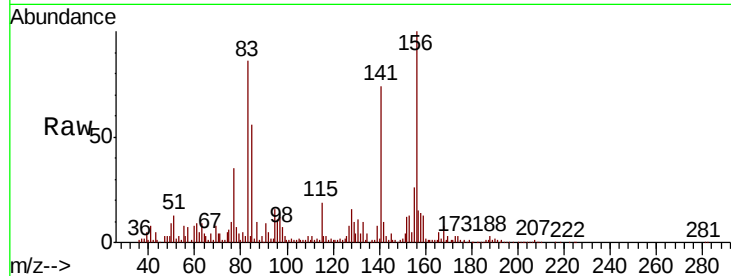
Tot Ion: 83 Resp: 214066

Ion Ratio Lower Upper

83 100

131 10.9 5.1 15.3

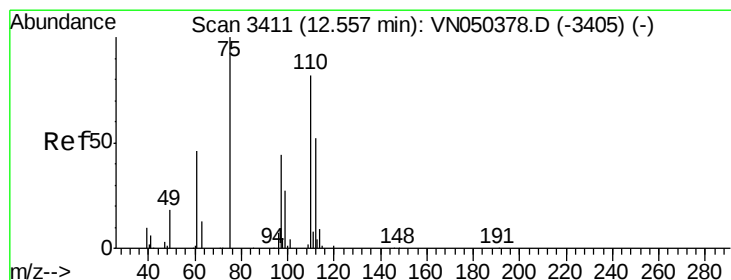
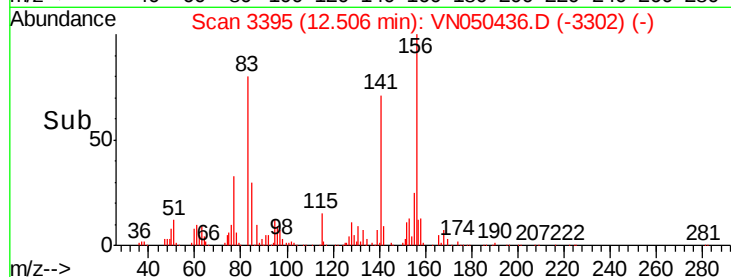
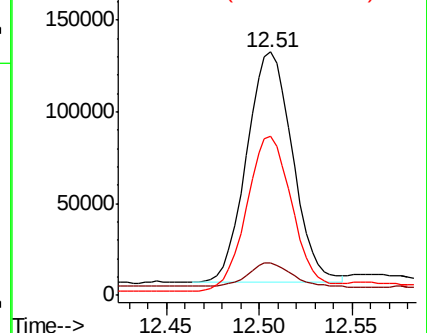
85 67.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 29.47 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050436.D

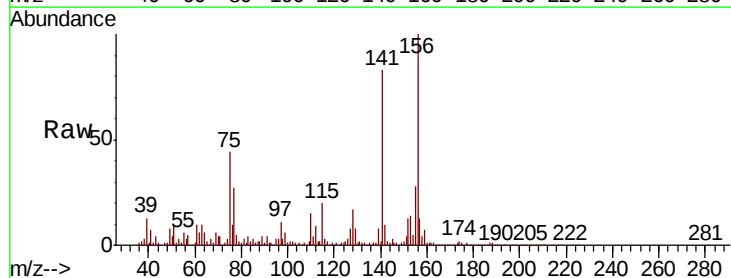
Acq: 7 Aug 2018 17:05

Tgt Ion: 75 Resp: 306634

Ion Ratio Lower Upper

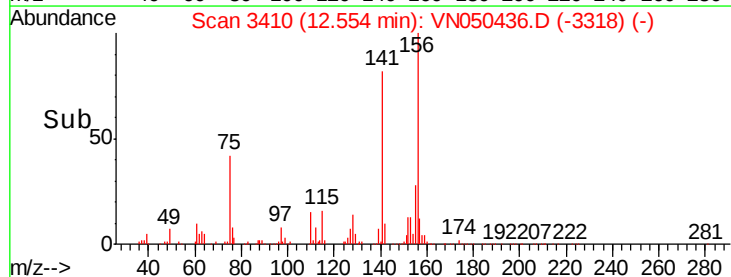
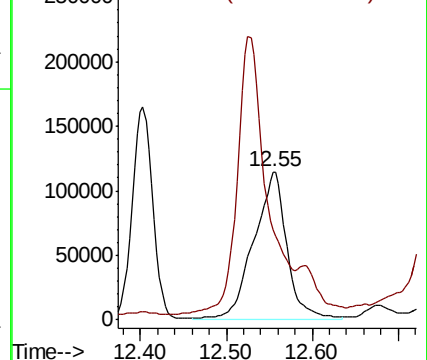
75 100

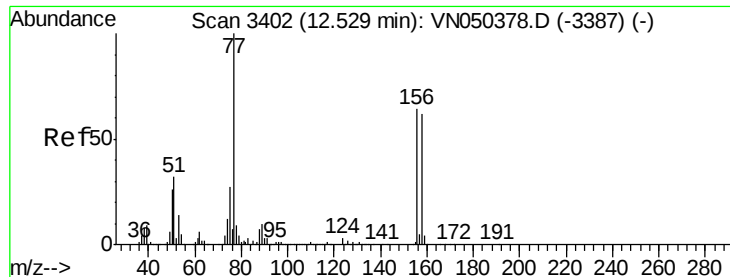
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 157.88 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

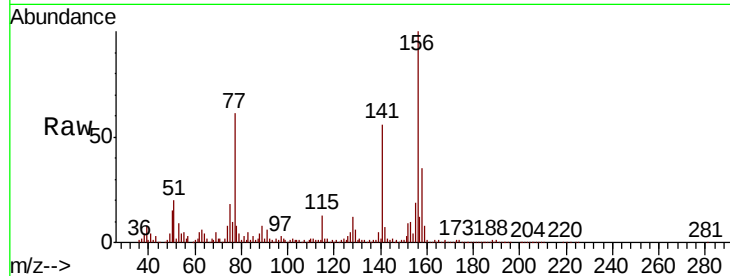
Tot Ion:156 Resp: 1824943

Ion Ratio Lower Upper

156 100

77 27.9 91.7 275.1#

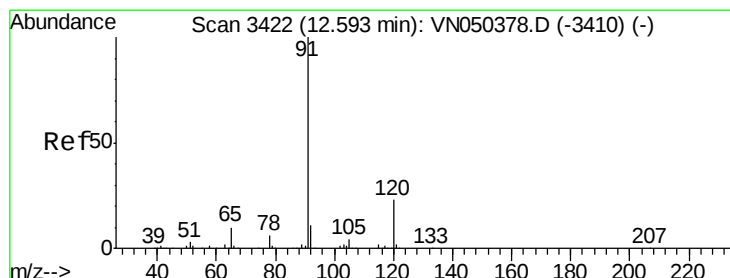
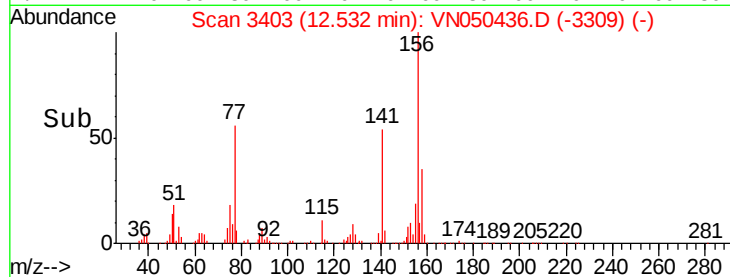
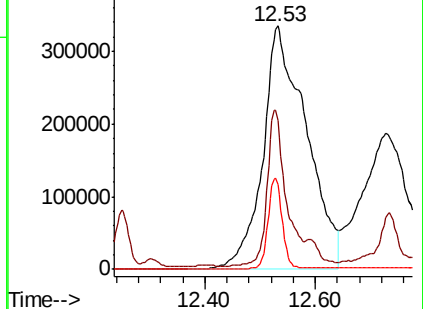
158 12.1 48.9 146.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.67 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050436.D

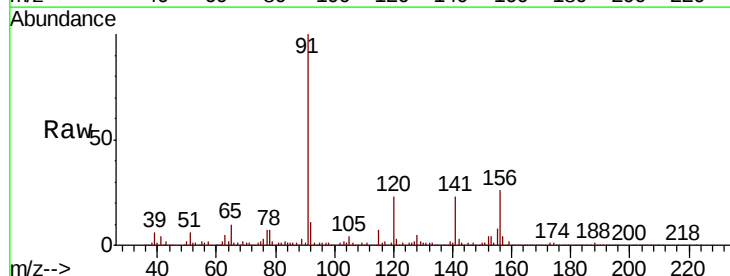
Acq: 7 Aug 2018 17:05

Tgt Ion: 91 Resp: 960681

Ion Ratio Lower Upper

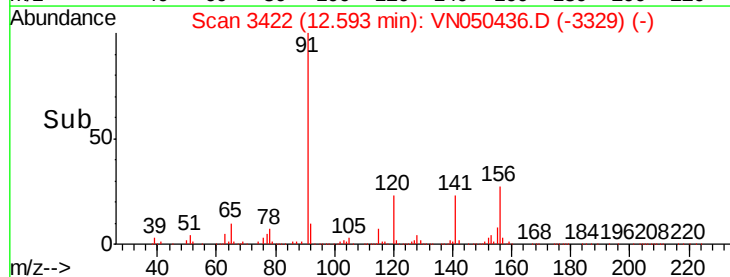
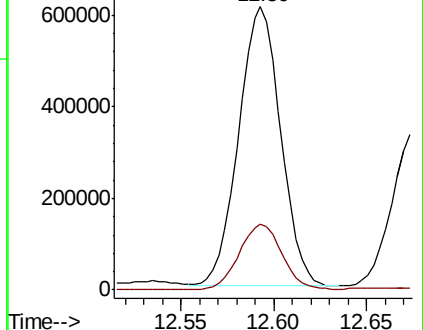
91 100

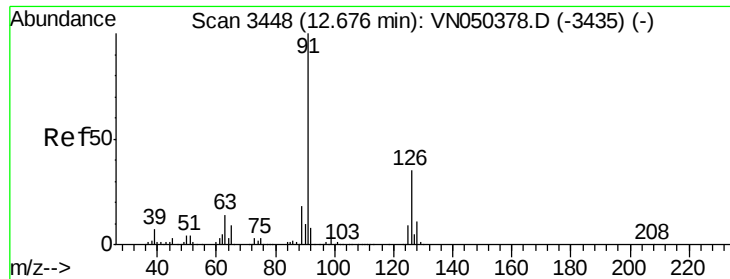
120 23.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.30 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

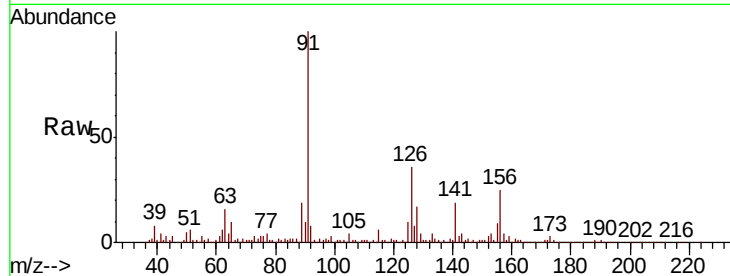
VN0807MBSD01

Tot Ion: 91 Resp: 582098

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050378.D (-3435) (-)

600000

400000

200000

0

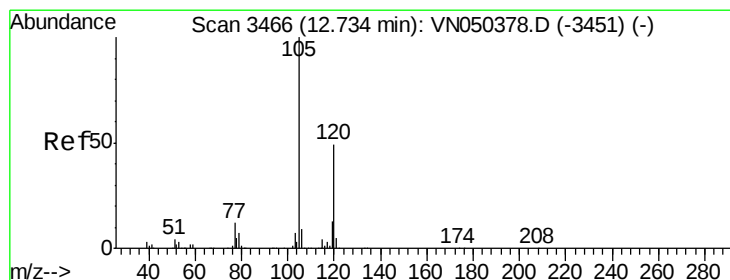
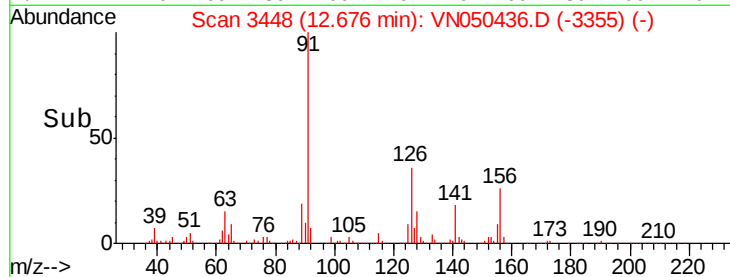
12.68

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.71 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050436.D

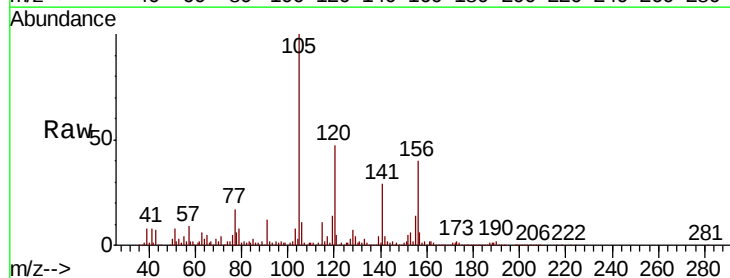
Acq: 7 Aug 2018 17:05

Tgt Ion: 105 Resp: 830286

Ion Ratio Lower Upper

105 100

120 40.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050378.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN050378.D (-3451) (-)

500000

400000

300000

200000

100000

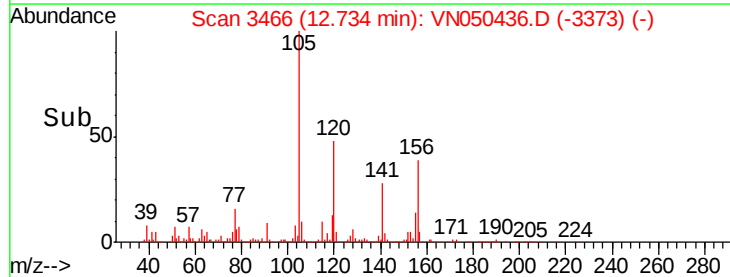
0

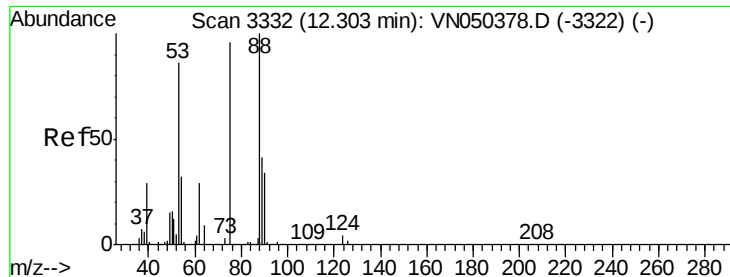
12.73

12.60

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.78 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

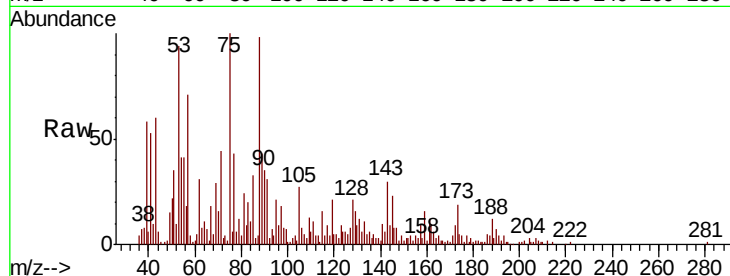
Tot Ion: 75 Resp: 52652

Ion Ratio Lower Upper

75 100

53 90.8 73.5 110.3

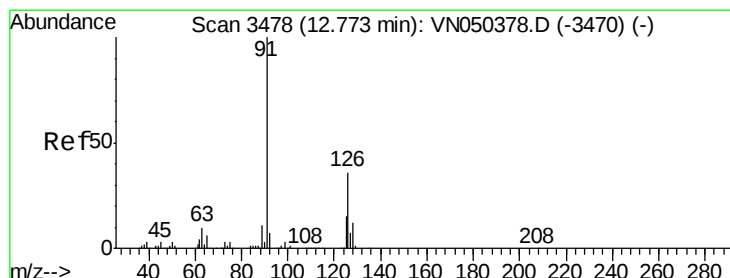
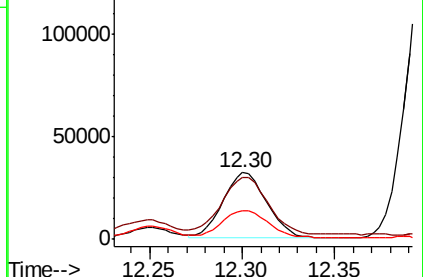
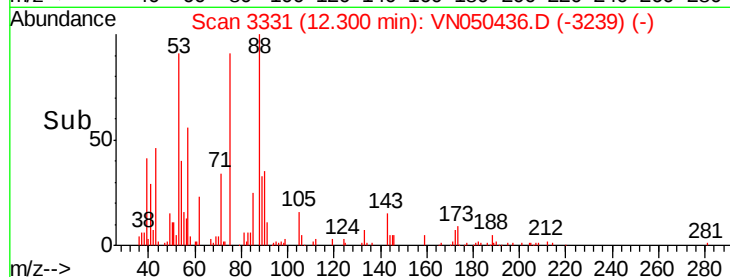
89 44.4 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.73 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050436.D

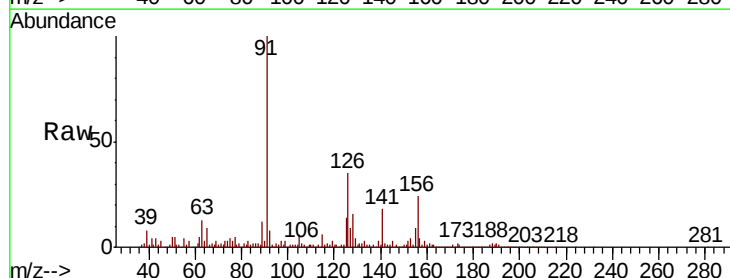
Acq: 7 Aug 2018 17:05

Tgt Ion: 91 Resp: 593466

Ion Ratio Lower Upper

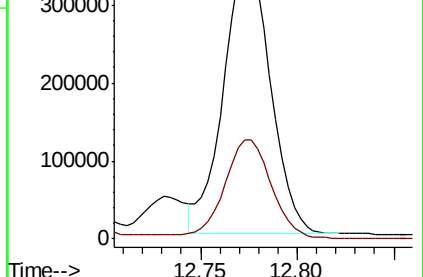
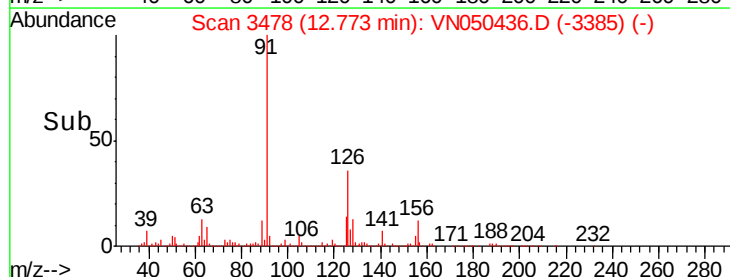
91 100

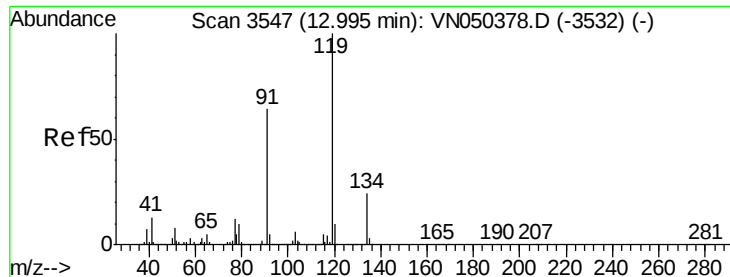
126 35.7 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

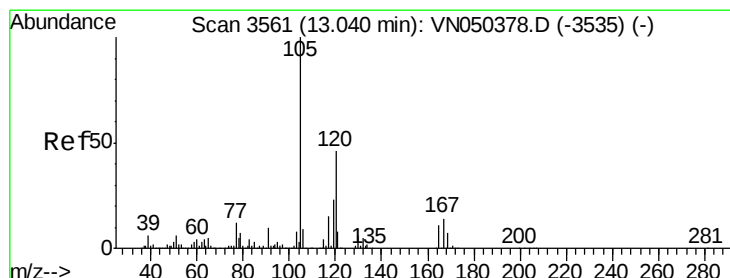
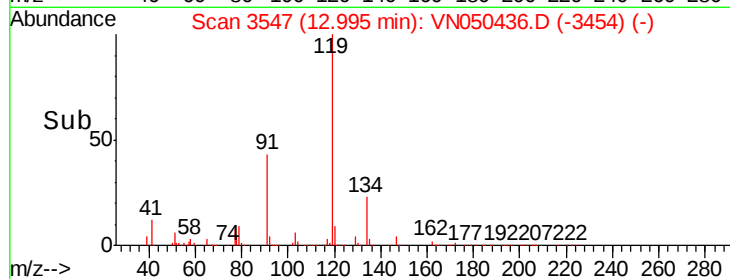
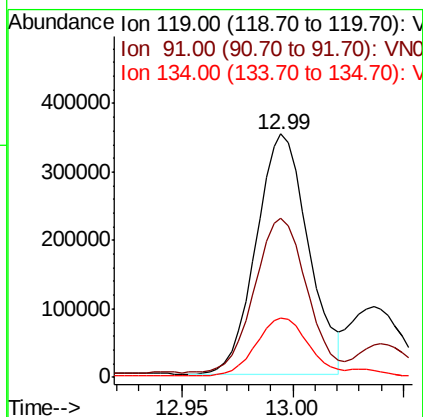
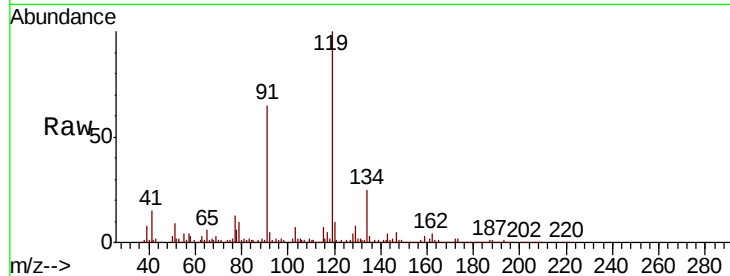




#83
 tert-Butylbenzene
 Concen: 18.91 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

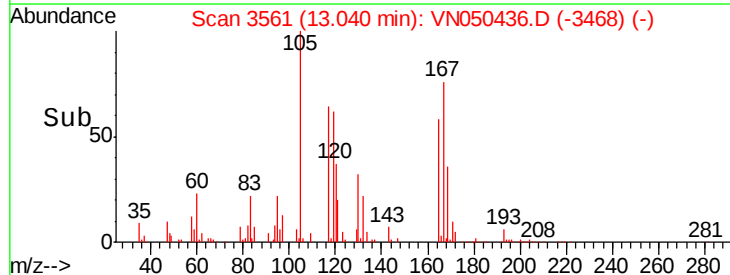
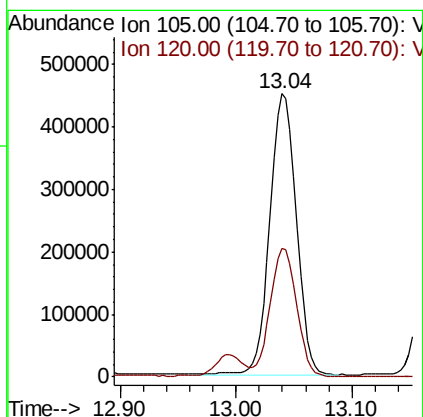
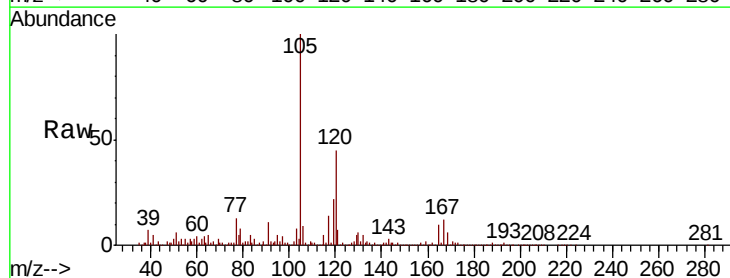
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807MBSD01

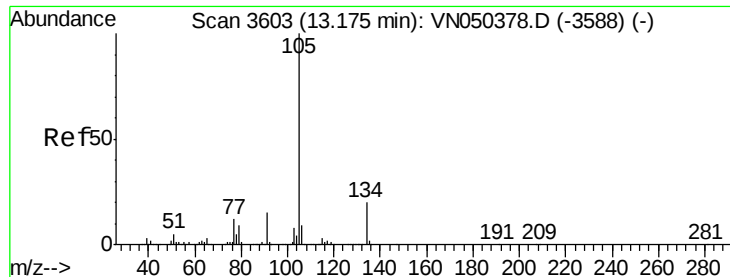
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	32.1	96.3
134	24.1	13.2	39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 19.91 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 18.55 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

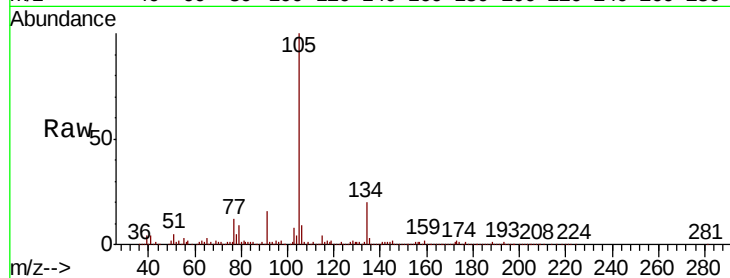
VN0807MBSD01

Tot Ion:105 Resp: 755539

Ion Ratio Lower Upper

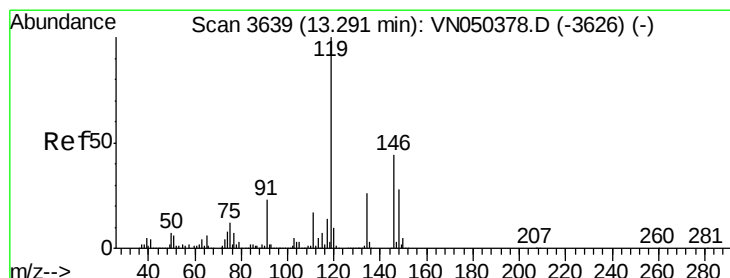
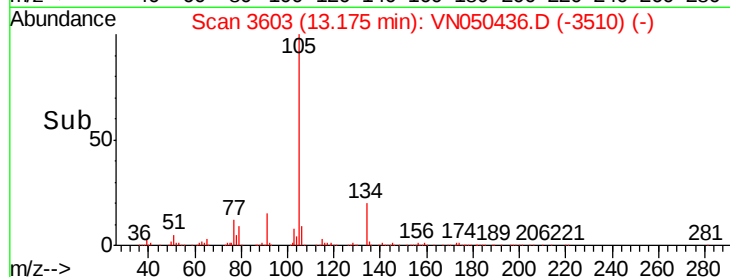
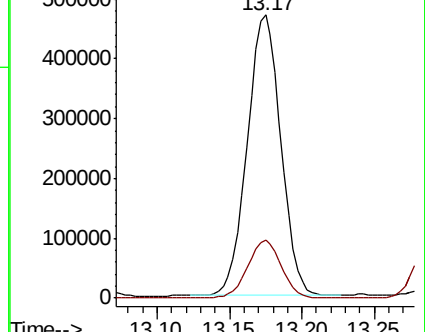
105 100

134 20.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.00 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

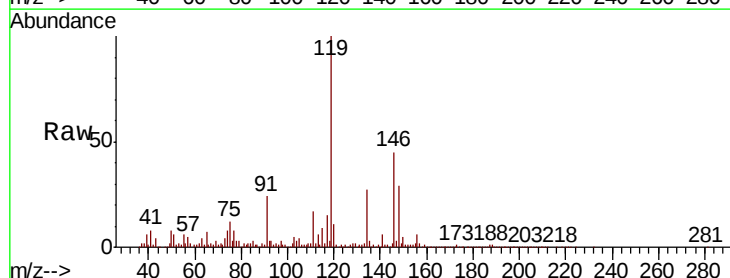
Tgt Ion:119 Resp: 663134

Ion Ratio Lower Upper

119 100

134 27.3 13.3 39.8

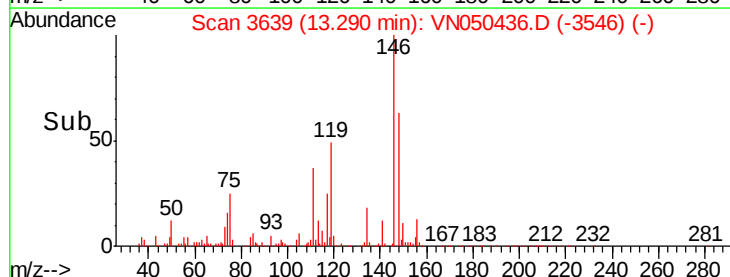
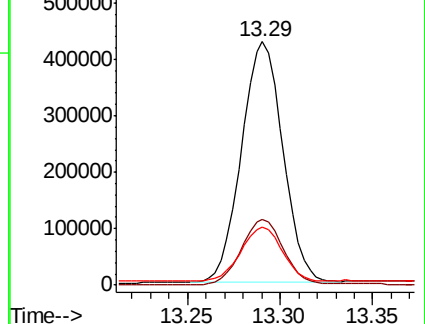
91 22.3 11.4 34.2

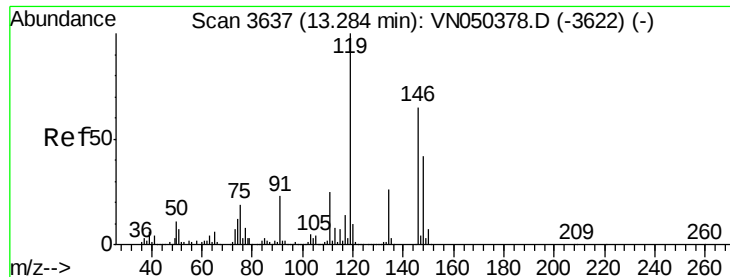


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.16 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

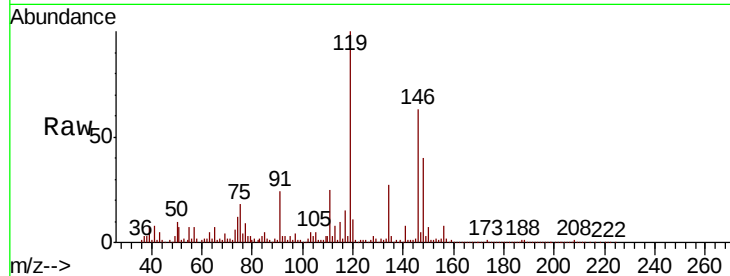
Tot Ion:146 Resp: 373804

Ion Ratio Lower Upper

146 100

111 38.4 18.8 56.4

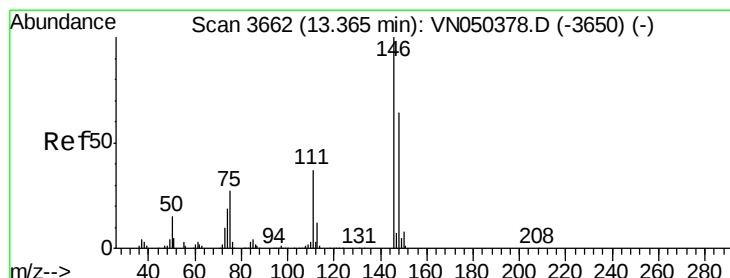
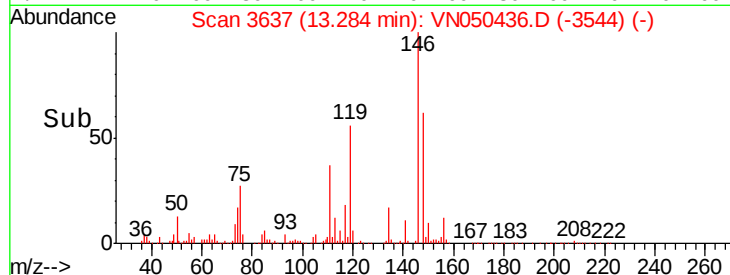
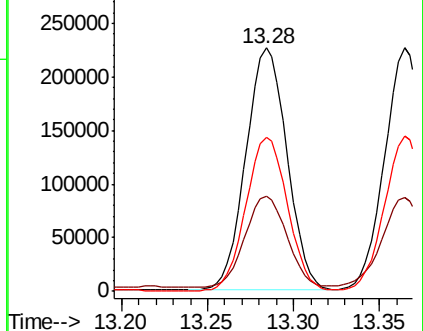
148 64.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.05 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

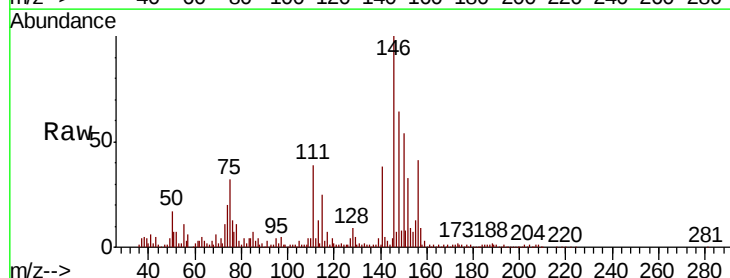
Tgt Ion:146 Resp: 371139

Ion Ratio Lower Upper

146 100

111 37.9 18.3 54.9

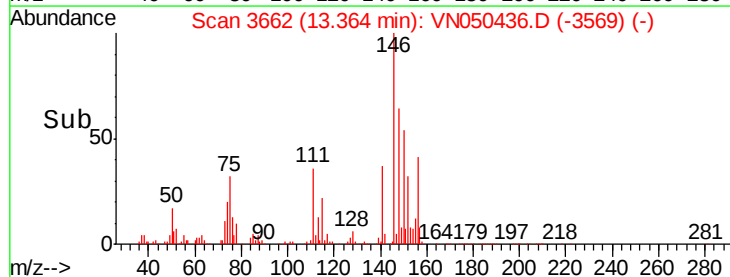
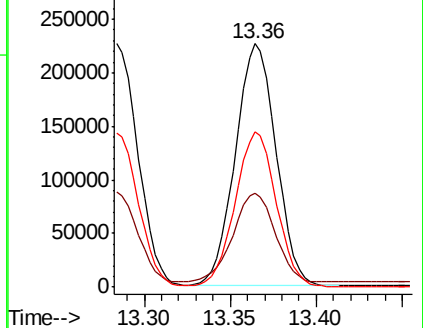
148 64.2 31.9 95.9

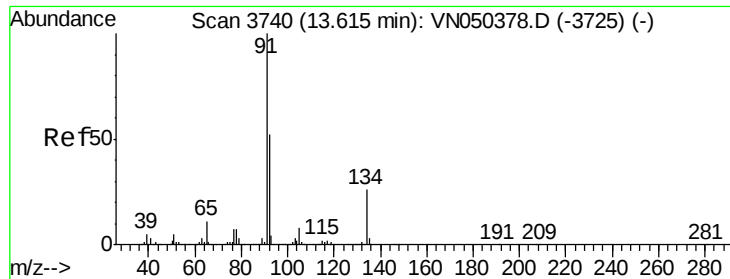


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

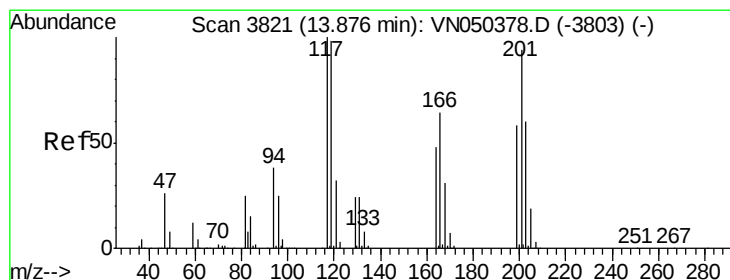
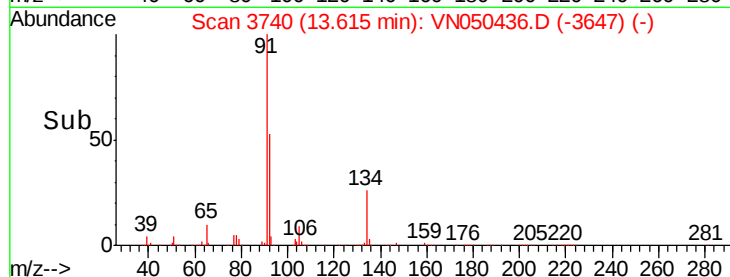
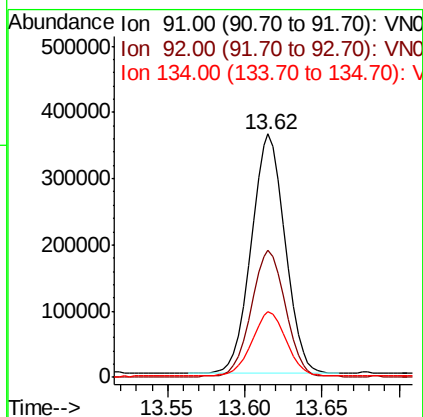
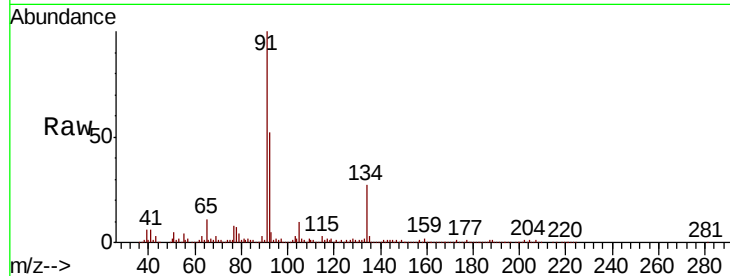




#89
n-Butylbenzene
Concen: 18.47 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

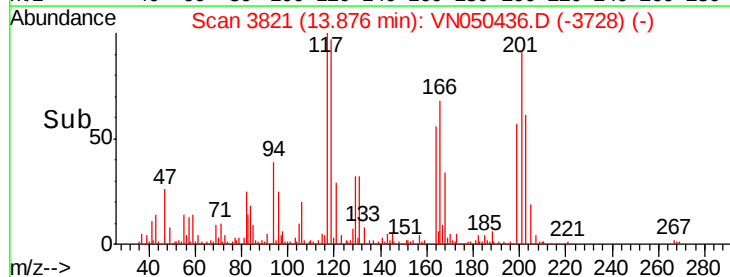
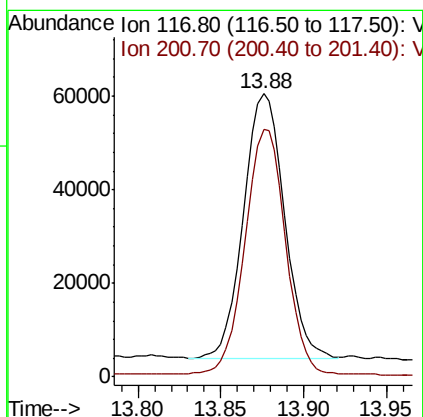
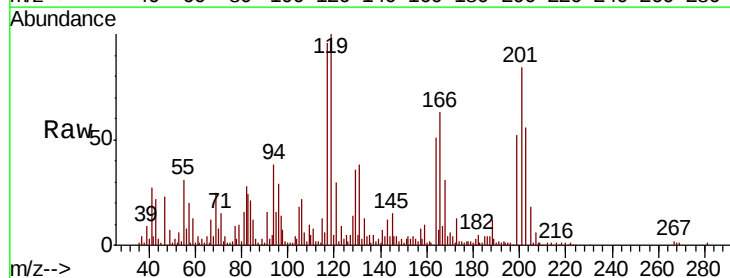
Instrument :
MSVOA_N
ClientSampleId :
VN0807MBSD01

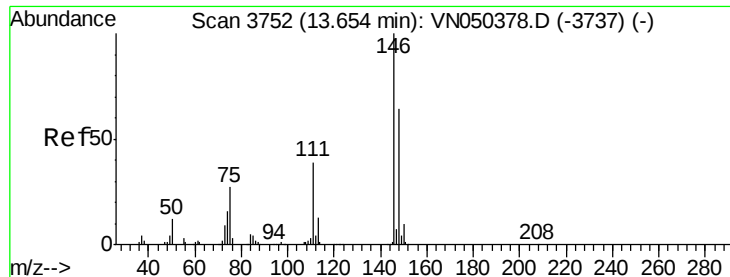
Tot Ion: 91 Resp: 548726
Ion Ratio Lower Upper
91 100
92 53.5 25.8 77.4
134 27.6 12.8 38.4



#90
Hexachloroethane
Concen: 15.65 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050436.D
Acq: 7 Aug 2018 17:05

Tgt Ion: 117 Resp: 97121
Ion Ratio Lower Upper
117 100
201 91.5 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 18.17 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

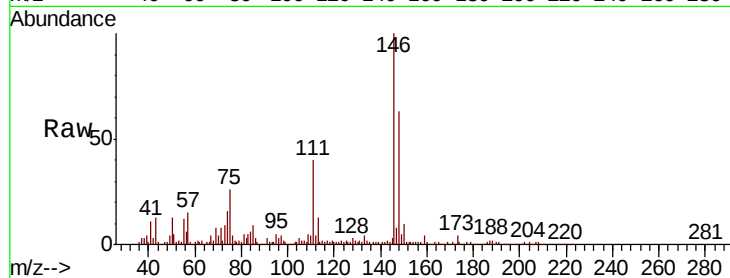
Tot Ion:146 Resp: 374942

Ion Ratio Lower Upper

146 100

111 40.9 19.6 58.7

148 63.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.66

200000

150000

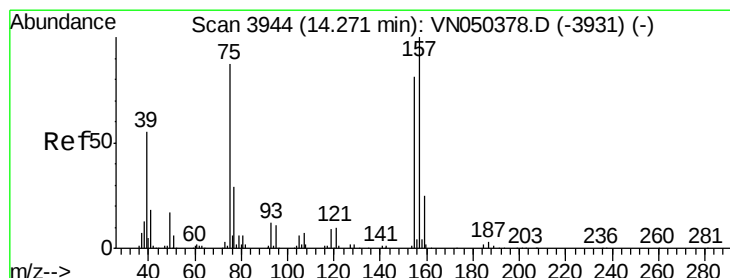
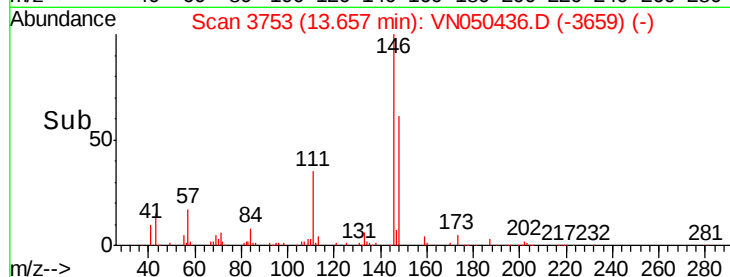
100000

50000

0

13.60 13.70

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.28 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

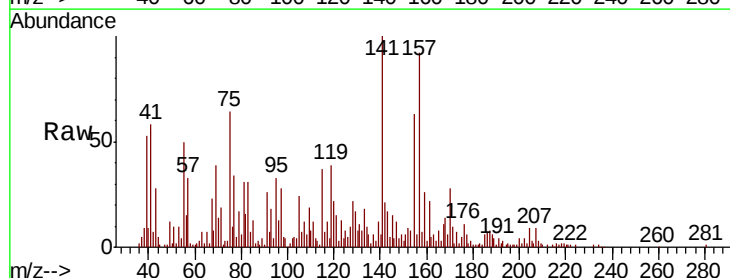
Tgt Ion: 75 Resp: 36530

Ion Ratio Lower Upper

75 100

155 91.6 44.8 134.4

157 135.2 57.2 171.6



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

40000

30000

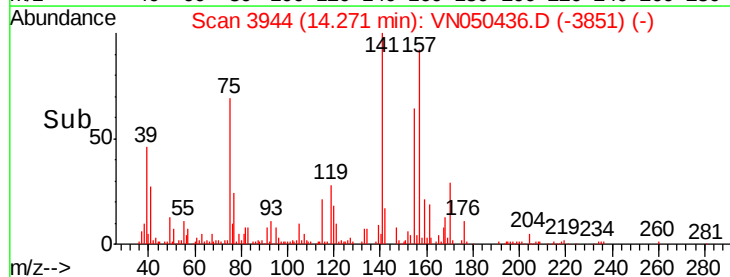
20000

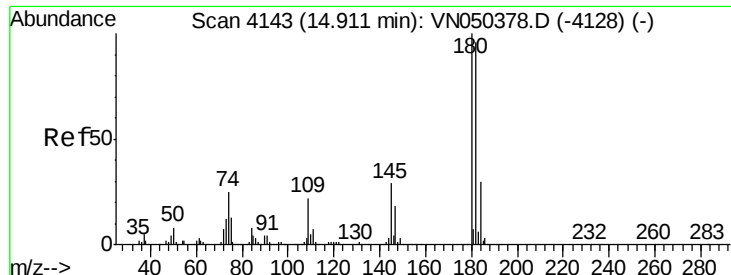
10000

0

14.20 14.25 14.30 14.35

Time-->

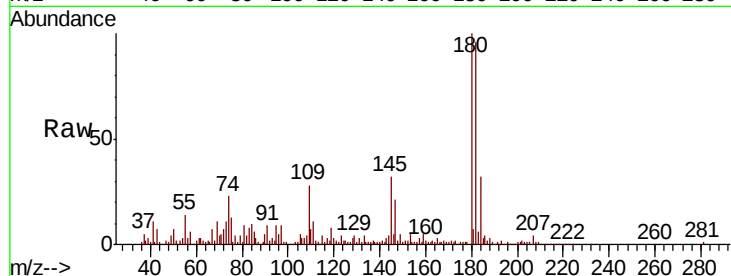




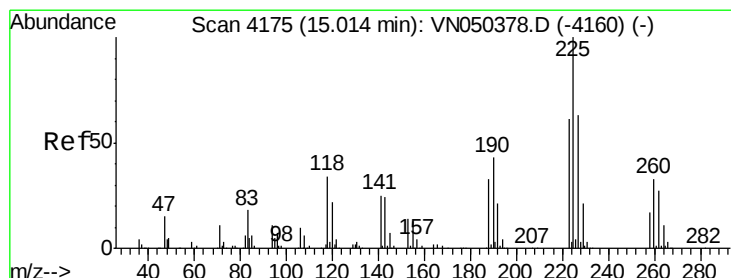
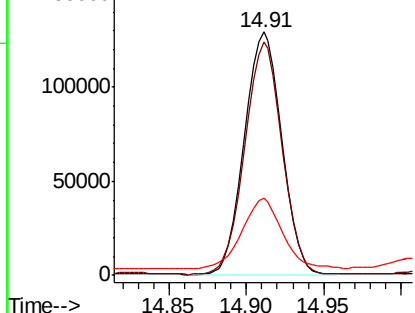
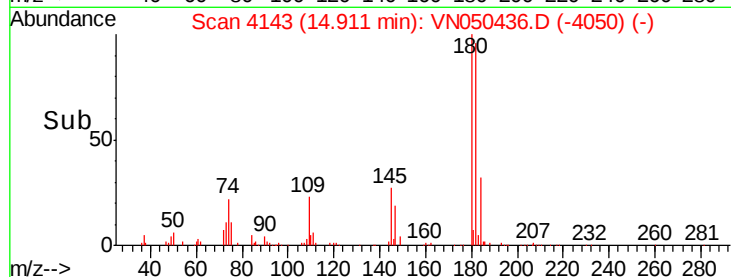
#93
 1,2,4-Trichlorobenzene
 Concen: 20.61 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.7	140.1
145	30.8	13.8	41.4

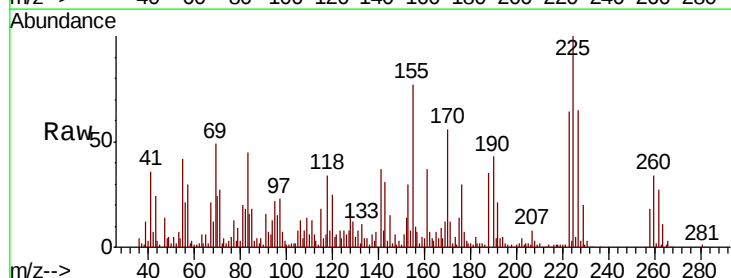


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

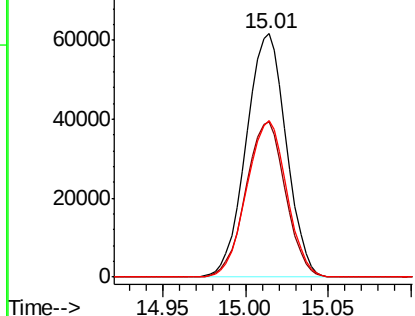
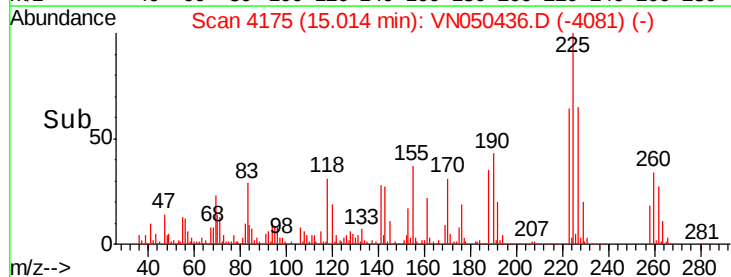


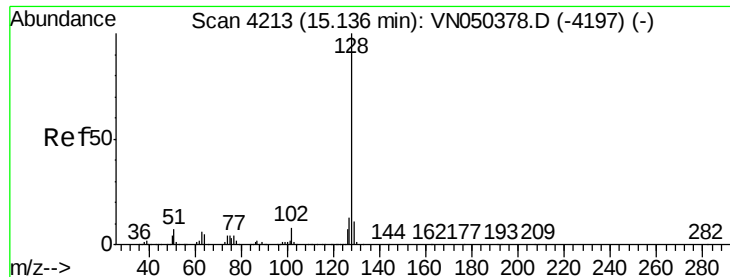
#94
 Hexachlorobutadiene
 Concen: 17.03 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050436.D
 Acq: 7 Aug 2018 17:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.4	94.2
227	64.4	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 25.10 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

Instrument :

MSVOA_N

ClientSampleId :

VN0807MBSD01

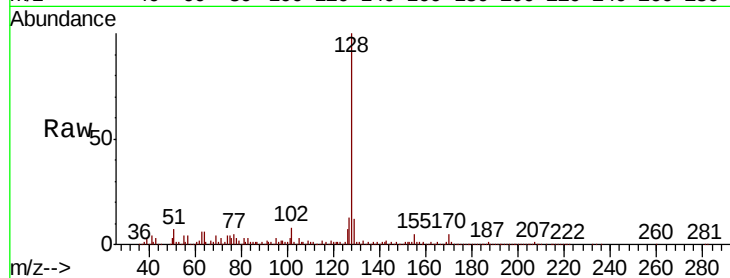
Tot Ion:128 Resp: 644397

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

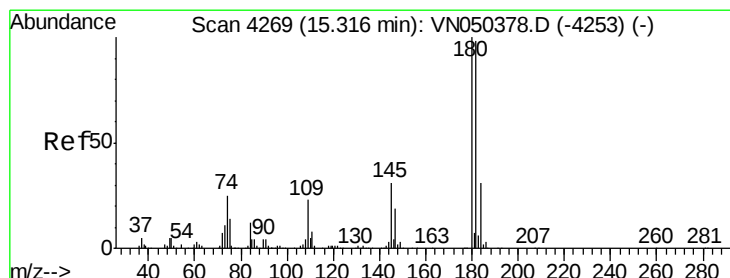
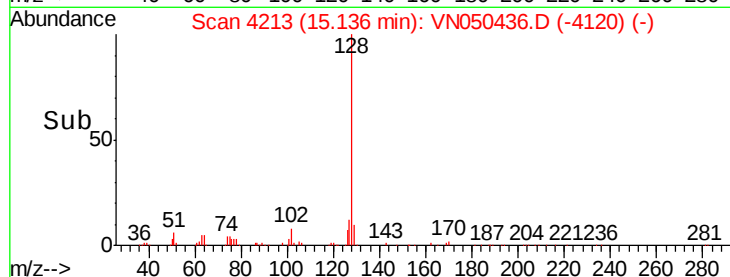
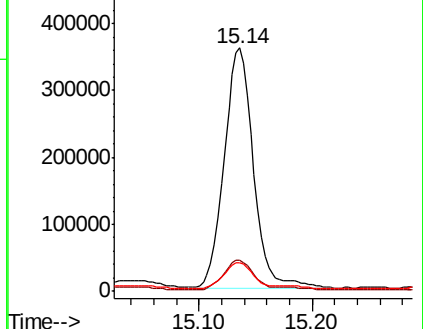
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.90 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050436.D

Acq: 7 Aug 2018 17:05

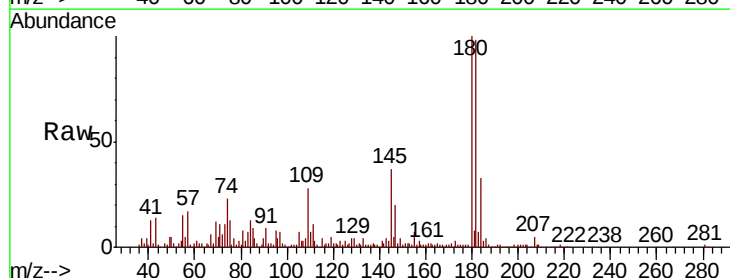
Tgt Ion:180 Resp: 211528

Ion Ratio Lower Upper

180 100

182 96.1 48.1 144.4

145 41.0 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

